**Safety Data Sheet (SDS)** According to the REACH Regulation (EC) No. 1907/2006

**Issuing Date:** 2018-11-20 **Revision Date:** 2021-03-02 **Version:** 2

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product No** 52420

**Product name** Phospho-YAP/TAZ Antibody Sampler Kit

**Kit Component**
53749: Phospho-YAP (Ser109) (E5I9G) Rabbit mAb
13008: Phospho-YAP (Ser127) (D9W2I) Rabbit mAb
13619: Phospho-YAP (Ser397) (D1E7Y) Rabbit mAb
59971: Phospho-TAZ (Ser89) (E1X9C) Rabbit mAb
8418: YAP/TAZ (D24E4) Rabbit mAb
14074: YAP (D8H1X) XP® Rabbit mAb
70148: TAZ (D3I6D) Rabbit mAb
7074: Anti-rabbit IgG, HRP-linked Antibody

**Contains**

| Chemical name | Index No. | CAS No |
|---|---|---|
| glycerol (>100%) | Not Listed | 56-81-5 |
| sodium azide (0 - 10%) | 011-004-00-7 | 26628-22-8 |

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** For research use only

### 1.3. Details of the supplier of the safety data sheet

**Importer**
Cell Signaling Technology Europe B.V.
Dellaertweg 9b
2316 WZ Leiden
The Netherlands
TEL: +31 (0)71 7200 200
FAX: +31 (0)71 891 0019

**Manufacturer**
Cell Signaling Technology, Inc.
3 Trask Lane
Danvers, MA 01923
United States
TEL: +1 978 867 2300
FAX: +1 978 867 2400

**Website** www.cellsignal.com
**E-mail Address** info@cellsignal.eu

### 1.4. Emergency telephone number

**CHEMTREC** 24 hours a day, 7 days a week, 365 days a year
+1 703 527 3887 (INTERNATIONAL) +1 800 424 9300 (NORTH AMERICA)

**Europe** 112

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Regulation (EC) No. 1272/2008**

This substance/mixture does not meet the criteria for classification in accordance with Regulation (EC) No. 1272/2008

**2.2. Label elements**

**2.3. Other hazards**

May produce an allergic reaction.

*For the full text of the H-phrases & EUH-phrases mentioned in this Section, see Section 16*

## SECTION 3. Composition/information on ingredients

**Kit Component**

The following kit components contain the ingredients listed in the table below:

7074: Anti-rabbit IgG, HRP-linked Antibody

| Chemical name | CAS No | Weight-% | EC No | Classification (1272/2008) | REACH Registration Number |
|---|---|---|---|---|---|
| glycerol | 56-81-5 | 30-60 | 200-289-5 | - | no data available |

**Kit Component**

The following kit components contain the ingredients listed in the table below:

53749: Phospho-YAP (Ser109) (E5I9G) Rabbit mAb
13008: Phospho-YAP (Ser127) (D9W2I) Rabbit mAb
13619: Phospho-YAP (Ser397) (D1E7Y) Rabbit mAb
59971: Phospho-TAZ (Ser89) (E1X9C) Rabbit mAb
8418: YAP/TAZ (D24E4) Rabbit mAb
14074: YAP (D8H1X) XP® Rabbit mAb
70148: TAZ (D3I6D) Rabbit mAb

| Chemical name | CAS No | Weight-% | EC No | Classification (1272/2008) | REACH Registration Number |
|---|---|---|---|---|---|
| sodium azide | 26628-22-8 | <0.02 | 247-852-1 | Acute Tox. 2 (H300)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410)<br>(EUH032) | no data available |
| glycerol | 56-81-5 | 30-60 | 200-289-5 | - | no data available |

*For the full text of the H-phrases & EUH-phrases mentioned in this Section, see Section 16*

## SECTION 4: First aid measures

**4.1. Description of first aid measures**

**General advice** Use first aid treatment according to the nature of the injury. When symptoms persist or in all cases of doubt seek medical advice.

**Inhalation** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur.

**Skin contact** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

| | |
|---|---|
| **Eye contact** | Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. Get medical attention immediately if irritation persists. |
| **Ingestion** | Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. |

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

### 4.3. Indication of any immediate medical attention and special treatment needed

| | |
|---|---|
| **Notes to physician** | Treat symptomatically. |

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

| | |
|---|---|
| **Suitable Extinguishing Media** | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| **Unsuitable Extinguishing Media** | None. |

### 5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

| | |
|---|---|
| **For non-emergency personnel** | Avoid contact with skin, eyes and clothing. Use personal protective equipment. For personal protection see section 8. |
| **For emergency responders** | Use personal protection recommended in Section 8. |

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

### 6.3. Methods and material for containment and cleaning up

| | |
|---|---|
| **Methods for containment** | Prevent further leakage or spillage if safe to do so. |
| **Methods for cleaning up** | Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. |

### 6.4. Reference to other sections

See Sections 8 & 13 for additional information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Wear personal protective equipment. See section 8. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

### 7.3. Specific end use(s)

Use as a laboratory reagent.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Chemical name | European Union | United Kingdom | France | Spain | Germany |
|---|---|---|---|---|---|
| glycerol | | STEL 30 mg/m³<br>TWA 10 mg/m³ | TWA 10 mg/m³ | TWA 10 mg/m³ | Ceiling / Peak: 400 mg/m³<br>TWA: 200 mg/m³ |
| sodium azide | TWA 0.1 mg/m³<br>STEL 0.3 mg/m³<br>S* | STEL 0.3 mg/m³<br>TWA 0.1 mg/m³<br>Skin | TWA 0.1 mg/m³<br>STEL 0.3 mg/m³<br>P* | TWA 0.1 mg/m³<br>STEL 0.3 mg/m³<br>S* | TWA: 0.2 mg/m³<br>Ceiling / Peak: 0.4 mg/m³ |
| **Chemical name** | **Italy** | **Portugal** | **Netherlands** | **Finland** | **Denmark** |
| glycerol | | TWA 10 mg/m³ | | TWA 20 mg/m³ | |
| sodium azide | TWA 0.1 mg/m³<br>STEL 0.3 mg/m³<br>Pelle* | TWA 0.1 mg/m³<br>STEL 0.3 mg/m³<br>Ceiling 0.29 mg/m³<br>Ceiling 0.11 ppm<br>C(A4)<br>P* | Huid*<br>STEL 0.3 mg/m³<br>TWA 0.1 mg/m³ | TWA 0.1 mg/m³<br>STEL 0.3 mg/m³<br>iho* | TWA 0.1 mg/m³<br>H* |
| **Chemical name** | **Austria** | **Switzerland** | **Poland** | **Norway** | **Ireland** |
| glycerol | | SS-C**<br>TWA 50 mg/m³<br>STEL 100 mg/m³ | TWA 10 mg/m³ | | TWA 10 mg/m³<br>STEL 30 mg/m³ |
| sodium azide | H*<br>STEL 0.3 mg/m³<br>TWA 0.1 mg/m³ | TWA 0.2 mg/m³<br>STEL 0.4 mg/m³ | TWA 0.1 mg/m³<br>STEL 0.3 mg/m³ | TWA 0.1 mg/m³<br>STEL 0.1 mg/m³ | TWA 0.1 mg/m³<br>STEL 0.3 mg/m³<br>Skin |

### 8.2. Exposure controls

**Appropriate engineering controls**
Showers, eyewash stations, and ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Safety glasses with side-shields

**Skin protection**

**Hand protection** Impervious gloves.

**Other** Wear suitable protective clothing.

**Respiratory protection** In case of inadequate ventilation wear respiratory protection.

**Environmental Exposure Controls**
No information available.

## SECTION 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Information on the known physical chemical properties of each component within Kit are given below. If not included, information is either not available or not applicable. Refer to individual kit component SDS for further information.

| **Kit Component** | **53749: Phospho-YAP (Ser109) (E5I9G) Rabbit mAb** |
|---|---|
| Physical state | Liquid |
| Appearance | Clear |
| Color | Colorless |
| pH VALUE | 7.5 |
| Remarks | @ 20 °C |

| | |
|---|---|
| **Kit Component** | **13008: Phospho-YAP (Ser127) (D9W2I) Rabbit mAb** |
| Physical state | Liquid |
| Appearance | Clear |
| Color | Colorless |
| pH VALUE | 7.5 |
| Remarks | @ 20 °C |

| | |
|---|---|
| **Kit Component** | **13619: Phospho-YAP (Ser397) (D1E7Y) Rabbit mAb** |
| Physical state | Liquid |
| Appearance | Clear |
| Color | Colorless |
| pH VALUE | 7.5 |
| Remarks | @ 20 °C |

| | |
|---|---|
| **Kit Component** | **59971: Phospho-TAZ (Ser89) (E1X9C) Rabbit mAb** |
| Physical state | Liquid |
| Appearance | Clear |
| Color | Colorless |
| pH VALUE | 7.5 |
| Remarks | @ 20 °C |

| | |
|---|---|
| **Kit Component** | **8418: YAP/TAZ (D24E4) Rabbit mAb** |
| Physical state | Liquid |
| Appearance | Clear |
| Color | Colorless |
| pH VALUE | 7.5 |
| Remarks | @ 20 °C |

| | |
|---|---|
| **Kit Component** | **14074: YAP (D8H1X) XP® Rabbit mAb** |
| Physical state | Liquid |
| Appearance | Clear |
| Color | Colorless |
| pH VALUE | 7.5 |
| Remarks | @ 20 °C |

| | |
|---|---|
| **Kit Component** | **70148: TAZ (D3I6D) Rabbit mAb** |
| Physical state | Liquid |
| Appearance | Clear |
| Color | Colorless |
| pH VALUE | 7.5 |
| Remarks | @ 20 °C |

| | |
|---|---|
| **Kit Component** | **7074: Anti-rabbit IgG, HRP-linked Antibody** |
| Physical state | Liquid |
| Appearance | Clear |
| Color | Colorless |
| pH VALUE | 7.5 |
| Remarks | @ 20 °C |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous polymerization** Hazardous polymerization does not occur.
**Hazardous reactions** None under normal processing.

**10.4. Conditions to avoid**

Extremes of temperature and direct sunlight. Over a period of time, sodium azide may react with copper, lead, brass, or solder in plumbing systems to form an accumulation of the HIGHLY EXPLOSIVE compounds of lead azide & copper azide.

**10.5. Incompatible materials**

Strong oxidizing agents. Strong acids.

**10.6. Hazardous decomposition products**

Nitrogen oxides (NOx).

## SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

**Product Information**
This material should only be handled by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals. It should be borne in mind that the toxicological and physiological properties of this compound is not well defined.

**Component Information**

| Chemical name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|---|---|---|
| glycerol | = 12600 mg/kg (Rat) | > 10 g/kg ( Rabbit ) | > 570 mg/m³ ( Rat ) 1 h |
| sodium azide | = 27 mg/kg (Rat) | = 20 mg/kg ( Rabbit ) = 50 mg/kg ( Rat ) | - |

**Information on likely routes of exposure**

**Inhalation** Avoid breathing vapors or mists May cause irritation of respiratory tract

**Eye contact** Avoid contact with eyes May cause slight irritation

**Skin contact** Avoid contact with skin

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Symptoms** Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing

**Skin and Eye Corrosion/Irritation** No information available

**Sensitization** No information available

**Mutagenic effects** No information available

**Carcinogenic effects** No information available

**Reproductive toxicity** No information available.

**Systemic Target Organ Toxicity (STOT)** No information available

**Aspiration Hazard** No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Product Information** No information available

**Component Information**

| Chemical name | Toxicity to algae | Toxicity to fish | Toxicity to daphnia and other aquatic invertebrates |
|---|---|---|---|
| glycerol | - | LC50 51 - 57 mL/L (Oncorhynchus mykiss) 96 h | EC50 500 mg/L (Daphnia magna) 24 h |
| sodium azide | EC50 0.35 mg/L (Pseudokirchneriella subcapitata) 96 h | LC50 0.8 mg/L (Oncorhynchus mykiss) 96 h LC50 5.46 mg/L (Pimephales promelas) 96 h LC50 0.7 mg/L (Lepomis macrochirus) 96 h | LC100 1 mg/L (Orconectes rusticus) 96 h |

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

.

| Chemical name | Octanol-Water Partition Coefficient |
|---|---|
| glycerol | -1.76 |

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Waste from residues / unused products** Dispose of in accordance with local regulations.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Other information** Waste codes should be assigned by the user based on the application for which the product was used.

## SECTION 14: Transport information

**IMDG/IMO**

**14.1 UN number** Not regulated

**14.2 UN proper shipping name** Not regulated

**14.3 Transport hazard class(es)** Not regulated

| | |
|---|---|
| **14.4 Packing group** | Not regulated |
| **14.5 Environmental hazards** | None |
| **14.6 Special precautions for user** | None |
| **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** | Not regulated |

**ADR/RID**

| | |
|---|---|
| **14.1 UN number** | Not regulated |
| **14.2 UN proper shipping name** | Not regulated |
| **14.3 Transport hazard class(es)** | Not regulated |
| **14.4 Packing group** | Not regulated |
| **14.5 Environmental hazards** | None |
| **14.6 Special precautions for user** | None |

**IATA**

| | |
|---|---|
| **14.1 UN number** | Not regulated |
| **14.2 UN proper shipping name** | Not regulated |
| **14.3 Transport hazard class(es)** | Not regulated |
| **14.4 Packing group** | Not regulated |
| **14.5 Environmental hazards** | None |
| **14.6 Special precautions for user** | None |

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Candidate List of Substances of Very High Concern for Authorization Information**

This product does not contain Substances of Very High Concern (SVHC).

**SEVESO Directive Information**

This product does not contain substances identified in the SEVESO Directive.

**International inventories**

| | |
|---|---|
| **TSCA 8(b)** | - |
| **DSL/NDSL** | Complies |
| **EINECS/ELINCS** | - |
| **ENCS** | - |
| **IECSC** | Complies |
| **KECL** | - |
| **PICCS** | - |
| **AICS** | Complies |

**International inventories legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
**ENCS** - Japan Existing and New Chemical Substances
**IECSC** - China Inventory of Existing Chemical Substances
**KECL** - Korean Existing and Evaluated Chemical Substances
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances
**AICS** - Australian Inventory of Chemical Substances

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out

## SECTION 16: Other information

**Full text of H-Statements referred to under Sections 2 and 3**

H300 - Fatal if swallowed
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
EUH032 - Contact with acids liberates very toxic gas

**Classification procedure:** Expert judgment and weight of evidence determination.
**Issuing Date:** 2018-11-20
**Revision Date:** 2021-03-02

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**