

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

Issuing Date: 2018-09-18

Version: 1

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

### 1.1. Product identifier

**Product No** 5563  
**Product name** PTMScan® Phospho-Akt Substrate Motif mAb 2 (RXRXXS\*/T\*) Kit  
**Kit Component** 9993: PTMScan® IAP Buffer (10X)  
**Reach registration number** This substance/mixture contains only ingredients which have been registered, or are exempt from registration, according to Regulation (EC) No. 1907/2006.

### Contains

| Chemical Name                            | Index No.  | CAS No    |
|--|------------|-----------|
| glycerol (30 - 40%)                      | Not Listed | 56-81-5   |
| 4-morpholinopropanesulphonic acid ( <10) | Not Listed | 1132-61-2 |

### 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 (Applicable in EU only)   | Manufacturer  |
|--|---|
| Cell Signaling Technology Europe B.V.<br>Dellaertweg 9b<br>2316 WZ Leiden<br>The Netherlands<br>TEL: +31 (0)71 7200 200<br>FAX: +31 (0)71 891 0019 | Cell Signaling Technology, Inc.<br>3 Trask Lane<br>Danvers, MA 01923<br>United States<br>TEL: +1 978 867 2300<br>FAX: +1 978 867 2400 |

**Website** [www.cellsignal.com](http://www.cellsignal.com)  
**E-mail Address** [info@cellsignal.eu](mailto: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

## 5563 PTMScan® Phospho-Akt Substrate Motif mAb 2 (RXRXXS\*/T\*) Kit

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

### 2.2. Label elements

#### Supplemental hazard statement(s)

EUH210 - Safety data sheet available on request

### 2.3. Other hazards

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 9993: PTMScan® IAP Buffer (10X)

| Chemical Name                     | CAS No    | Weight % | EC No     | Classification (1272/2008)                                      | REACH Registration Number |
|-----------------------------------|-----------|----------|-----------|---|---------------------------|
| 4-morpholinopropanesulphonic acid | 1132-61-2 | <10      | 214-478-5 | Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319)<br>STOT SE 3 (H335) | no data available         |

Kit Component 5762: PTMScan® Phospho-Akt Substrate Motif (RXRXXS\*/T\*) Immunoaffinity Beads

| Chemical Name                     | CAS No    | Weight % | EC No     | Classification (1272/2008)                                      | REACH Registration Number |
|-----------------------------------|-----------|----------|-----------|---|---------------------------|
| glycerol                          | 56-81-5   | 25-50    | 200-289-5 | -   | no data available         |
| 4-morpholinopropanesulphonic acid | 1132-61-2 | 1-5      | 214-478-5 | Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319)<br>STOT SE 3 (H335) | 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

|                       |  |
|-----------------------|--|
| <b>General advice</b> | Use first aid treatment according to the nature of the injury. When symptoms persist or in all cases of doubt seek medical advice. |
| <b>Inhalation</b>     | Move to fresh air.   |
| <b>Skin contact</b>   | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.                               |
| <b>Eye contact</b>    | Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention immediately if symptoms occur.                |
| <b>Ingestion</b>      | Clean mouth with water and afterwards drink plenty of water.   |

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

None.

### 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

**Unsuitable Extinguishing Media** surrounding environment.  
None.

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

None in particular.

**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** Ensure adequate ventilation.  
**For emergency responders** Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

**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**

Handle in accordance with good industrial hygiene and safety practice.

**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/m <sup>3</sup><br>TWA 10 mg/m <sup>3</sup>            | TWA 10 mg/m <sup>3</sup> | TWA 10 mg/m <sup>3</sup> | Ceiling / Peak: 400 mg/m <sup>3</sup><br>TWA: 200 mg/m <sup>3</sup> |
| Chemical Name | Italy          | Portugal   | Netherlands              | Finland                  | Denmark   |
| glycerol      |                | TWA 10 mg/m <sup>3</sup>   |                          | TWA 20 mg/m <sup>3</sup> |   |
| Chemical Name | Austria        | Switzerland  | Poland                   | Norway                   | Ireland   |
| glycerol      |                | SS-C**<br>TWA 50 mg/m <sup>3</sup><br>STEL 100 mg/m <sup>3</sup> | TWA 10 mg/m <sup>3</sup> |                          | TWA 10 mg/m <sup>3</sup><br>STEL 30 mg/m <sup>3</sup>               |

**8.2. Exposure controls**

**Appropriate engineering controls**

Showers, eyewash stations, and ventilation systems.

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

**Eye/face protection** If splashes are likely to occur, wear Goggles

**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.

|                      |  |
|----------------------|--|
| <b>Kit Component</b> | <b>9993: PTMScan® IAP Buffer (10X)</b> |
| Physical state       | Liquid                                 |
| Appearance           | Clear                                  |
| Color                | Colorless                              |
| pH VALUE             | 7.25                                   |
| Remarks              | @ 20 °C                                |

|                      |   |
|----------------------|---|
| <b>Kit Component</b> | <b>5762: PTMScan® Phospho-Akt Substrate Motif (RXRXXS*/T*) Immunoaffinity Beads</b> |
| Physical state       | Liquid  |
| Appearance           | Thick Slurry  |
| Color                | Clear   |

**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**

None known based on information supplied.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**



**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                  |

**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

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)     | Complies |
| DSL/NDSL      | Complies |
| EINECS/ELINCS | Complies |
| 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**

H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation

**Classification procedure:** Expert judgment and weight of evidence determination.

**Issuing Date:** 2018-09-18

**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

**5563 PTMScan® Phospho-Akt Substrate Motif mAb 2 (RXRXXS\*/T\*) Kit**

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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.