

**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

<b>Product No</b>	97673
<b>Product name</b>	PTMScan® Kinase Activation Antibody Sampler Kit
<b>Kit Component</b>	9993: PTMScan® IAP Buffer (10X) 1984: PTMScan® Phospho-PKA Substrate Motif (K/RK/RXS*/T*) Immunoaffinity Beads 5760: PTMScan® Phospho-AMPK Substrate Motif (LXRXXS*/T*) Immunoaffinity Beads 1978: PTMScan® Phospho-Akt Substrate Motif (RXXS*/T*) Immunoaffinity Beads 8737: PTMScan® Phospho-CK2 Substrate Motif (S*/T*DXE) Immunoaffinity Beads 8876: PTMScan® Phospho-Tyrosine Motif (Y*) (P-Tyr-1000) Immunoaffinity Beads
<b>Reach registration number</b>	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 (>100%)	Not Listed	56-81-5
4-morpholinopropanesulphonic acid (10 - 20%)	Not Listed	1132-61-2

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

<b>Identified uses</b>	For research use only
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### 1.3. Details of the supplier of the safety data sheet

Importer (Applicable in EU only)	Manufacturer
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	Cell Signaling Technology, Inc. 3 Trask Lane Danvers, MA 01923 United States TEL: +1 978 867 2300 FAX: +1 978 867 2400

<b>Website</b>	www.cellsignal.com
<b>E-mail Address</b>	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)

<b>Europe</b>	112
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## SECTION 2: Hazards identification

## 97673 PTMScan® Kinase Activation Antibody Sampler Kit

### 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

#### 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-morpholinopropanesulfonic acid	1132-61-2	8.06	214-478-5	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335)	no data available

Kit Component 1984: PTMScan® Phospho-PKA Substrate Motif (K/RK/RXS\*/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

Kit Component 5760: PTMScan® Phospho-AMPK Substrate Motif (LXRXXS\*/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

Kit Component 1978: PTMScan® Phospho-Akt Substrate Motif (RXXS\*/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

Kit Component 8737: PTMScan® Phospho-CK2 Substrate Motif (S\*/T\*DXE) 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

Kit Component 8876: PTMScan® Phospho-Tyrosine Motif (Y\*) (P-Tyr-1000) 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

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

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	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

<b>For non-emergency personnel</b>	Ensure adequate ventilation.
<b>For emergency responders</b>	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

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	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

## 97673 PTMSan® Kinase Activation Antibody Sampler Kit

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> 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> 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** TWA 50 mg/m <sup>3</sup> STEL 100 mg/m <sup>3</sup>	TWA 10 mg/m <sup>3</sup>		TWA 10 mg/m <sup>3</sup> 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

#### Kit Component

#### 9993: PTMSan® IAP Buffer (10X)

Physical state

Liquid

Appearance

Clear

Color

Colorless

pH VALUE

7.25

Remarks

@ 20 °C

#### Kit Component

#### 1984: PTMSan® Phospho-PKA Substrate Motif (K/RK/RXS\*/T\*) Immunoaffinity Beads

Physical state

Liquid

Appearance

Thick Slurry

Color

Clear

#### Kit Component

#### 5760: PTMSan® Phospho-AMPK Substrate Motif (LXRXXS\*/T\*) Immunoaffinity

## 97673 PTMSan® Kinase Activation Antibody Sampler Kit

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Physical state	<b>Beads</b>
Appearance	Liquid
Color	Thick Slurry
	Clear
<b>Kit Component</b>	<b>1978: PTMSan® Phospho-Akt Substrate Motif (RXXS*/T*) Immunoaffinity Beads</b>
Physical state	Liquid
Appearance	Thick Slurry
Color	Clear
<b>Kit Component</b>	<b>8737: PTMSan® Phospho-CK2 Substrate Motif (S*/T*DXE) Immunoaffinity Beads</b>
Physical state	Liquid
Appearance	Thick Slurry
Color	Colorless
<b>Kit Component</b>	<b>8876: PTMSan® Phospho-Tyrosine Motif (Y*) (P-Tyr-1000) 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 reactions**

Hazardous polymerization does not occur.  
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

None under normal use conditions.

### 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**

## 97673 PTMScan® Kinase Activation Antibody Sampler Kit

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
glycerol	= 12600 mg/kg (Rat)	> 10 g/kg ( Rabbit )	> 570 mg/m <sup>3</sup> ( Rat ) 1 h

### Information on likely routes of exposure

**Inhalation** There is no data available for this product

### Eye contact

**Kit Component** 9993: PTMScan® IAP Buffer (10X)  
Eye contact Contact with eyes may cause irritation

### Skin contact

**Kit Component** 9993: PTMScan® IAP Buffer (10X)  
Skin contact May cause irritation Contact with skin may cause mild irritation.

**Ingestion** There is no data available for this product

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

**Symptoms** None

**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)**

**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

### 12.2. Persistence and degradability

No information available.

**12.3. Bioaccumulative potential**

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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**

<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>Other information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

**SECTION 14: Transport information**

**IMDG/IMO**

<b>14.1 UN number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	None
<b>14.6 Special precautions for user</b>	None
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not regulated

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

**IATA**

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

<b>TSCA 8(b)</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	-
<b>IECSC</b>	Complies
<b>KECL</b>	-
<b>PICCS</b>	-
<b>AICS</b>	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 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.