

Rat Crossveinless-2/CV-2/BMPER ELISA Kit

Cat#: orb669044 (MSDS)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name Rat Crossveinless-2/CV-2/BMPER ELISA Kit

Components:

Anti- Rat Bmper Pre-coated 96-well strip microplate

Rat Bmper Standard (contains Proclin 300)

Rat Bmper Biotinylated antibody(100x) (contains Proclin 300)

Avidin-Biotin-Peroxidase Complex (ABC)(100x) (contains Proclin 300)

Sample Diluent (contains Proclin 300)

Antibody Diluent (contains Proclin 300)

Avidin-Biotin-Peroxidase Diluent (contains Proclin 300)

Color Developing Reagent(TMB) (contains 3,3',5,5'-Tetramethylbenzidine and hydrogen peroxide)

Stop Solution (contains sulfuric acid)

Wash Buffer(25X)

Plate Sealers

1.2 Application of the substance or mixture

For research use only.

2. HAZARDS IDENTIFICATION

See additional safety data sheets

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE

1.1 Product Identifiers

Product name: Rat Bmper Standard (contains Proclin 300)

Rat Bmper Biotinylated antibody(100x) (contains Proclin 300)

Avidin-Biotin-Peroxidase Complex (ABC)(100x) (contains Proclin 300)

Sample Diluent (contains Proclin 300)

Antibody Diluent (contains Proclin 300)

Avidin-Biotin-Peroxidase Diluent (contains Proclin 300)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [GHS/CLP] or 29 CFR 1910.1200 [OSHA]

Sensitization, skin - Category 1

2.2 Label Element

Labeling according to Regulation (EC) No 1272/2008 [GHS/CLP]



Pictogram(s):

Signal Word: WARNING

Hazard statements:

H317: May cause an allergic skin reaction.

Precautionary statements:

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P333+313: If skin irritation or rash occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

Other Hazards: None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description: Proclin 300

Component Mixture of 5-Chloro-2-Methyl-4-Isothiazolin-3-One (26172-55-4) and -Methyl-4-Isothiazolin-3-One (2682-20-4)

CAS-No. 55965-84-9

Index-No. 613-167-00-5

Concentration 0.04%

4. FIRST AID MEASURES

Skin contact

Immediately take off contaminated clothing or shoes. Wash with plenty of soap and water.

Consult a physician.

Eye contact

Rinse immediately with plenty of water. Consult a physician.

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.

Immediately consult a physician.

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Notes to physician

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special precautions for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Special hazards arising from the substance or mixture

In combustion, may emit toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use appropriate personal protective equipment to prevent contamination of skin, eyes and personal clothing. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Keep away from drains.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use normal measures for preventive fire protection.

Storage

Store according to product specifications.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: Contains no substances with occupational exposure limit values.

Individual protection measures: Wash hands thoroughly after handling chemical products and before eating, smoking or using the toilet. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Eye/face protection

Wear approved safety goggles.

Skin/hand protection:

Handle with protective gloves, plastic or rubber.

Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

Body protection

Wear suitable protective clothing as protection against splashing or contamination.

Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.

Respiratory protection

In case of inadequate ventilation, use a suitable respirator. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

Important Health Safety and Environment Information

- a) **Appearance Form:** Liquid.
- b) **Odour** no data available
- c) **Odour Threshold** no data available
- d) **pH** no data available
- e) **Melting point/freezing point** no data available
- f) **Initial boiling point and boiling range** no data available
- g) **Flash point** no data available
- h) **Evaporation rate** no data available
- i) **Flammability (solid, gas)** no data available
- j) **Upper/lower flammability or explosive limits** no data available
- k) **Vapour pressure** no data available
- l) **Vapour density** no data available
- m) **Relative density** no data available
- n) **Water solubility** no data available
- o) **Partition coefficient: octanol/water** no data available
- p) **Auto-ignition temperature** no data available
- q) **Decomposition temperature** no data available
- r) **Viscosity** no data available
- s) **Explosive properties** no data available
- t) **Oxidizing properties** no data available

10. STABILITY AND REACTIVITY

Reactivity

Stable under recommended transport or storage conditions.

Chemical Stability

Stable under recommended storage and handling conditions.

Conditions to avoid

Heat, moisture.

Incompatible materials Strong acids/alkalis, strong oxidising/reducing agents.

Hazardous decomposition products

Strong acids/alkalis, strong oxidising/reducing agents.

Hazardous polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Classified based on available data.

Skin irritant effect: Classified based on available data.

Serious Eye Damage / Irritation: Classified based on available data

Respiratory or Skin Sensitization: Classified based on available data.

Germ Cell Mutagenicity: Classified based on available data.

Carcinogenicity: Classified based on available data.

Reproductive Toxicity: Classified based on available data.

Specific Target Organ Toxicity - Single Exposure: Classified based on available data.

Specific Target Organ Toxicity - Repeated Exposure: Classified based on available data.

Symptoms / Routes of Exposure :

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Ingestion: There may be irritation of the throat.

Skin: There may be mild irritation at the site of contact.

Eyes: There may be irritation and redness.

Delayed / Immediate Effects: No known symptoms.

Additional Information: Classified based on available data.

12. ECOLOGICAL INFORMATION

Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PBT and vPvB assessment: No data available.

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with national, regional, or local legislation.

Contaminated packaging

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with national, regional, or local legislation.

14. TRANSPORT INFORMATION

DOT Not dangerous goods.

ADR

Not dangerous goods.

IATA

Not dangerous goods.

15. REGULATORY INFORMATION

US Federal and State Regulations

SARA 313 Components

Not applicable.

SARA 311/312 Hazards

Not applicable.

CERCLA Reportable Quantity

Not applicable.

California Prop. 65 Components

Not applicable.