**BOSTER BIOLOGICAL TECHNOLOGY**
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# Material Safety Data Sheet

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifiters

| | |
|---|---|
| Catalog Number | EZ0829 |
| Product Name | Human RANK EZ-Set™ ELISA Kit (DIY Antibody Pairs) |

Components: [capture_antibody] (contains Proclin 300)
[detection_antibody] (contains Proclin 300)
Lyophilized recombinant Human TNFRSF11A standard (contains Proclin 300)
Avidin-Biotin-Peroxidase Complex (ABC) (contains Proclin 300)

### 1.2 Application of the substance or mixture

For research use only.

### 1.3 Company Identification

Boster Biological Technology Co., Ltd.
3942 B Valley Ave, Pleasanton, CA, 94566, USA.
Fone: (888) 466-3604 Fax: (925) 215-2184

## 2.HAZARDS IDENTIFICATION

See additional safety data sheets

## 1. DENTIFICATION OF THE SUBSTANCE/MIXTURE

### 1.1 Product Identifiers

**Product name:** Rabbit anti- Human TNFRSF11A polyclonal antibody (contains Proclin 300)
Biotinylated goat anti- Human TNFRSF11A polyclonal antibody (contains Proclin 300)
Lyophilized recombinant Human TNFRSF11A standard (contains Proclin 300)
Avidin-Biotin-Peroxidase Complex (ABC) (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 | CAS-No. | Index-No. | Concentration |
|---|---|---|---|
| Mixture of 5-Cloro-2-Methyl-4-Isothiazolin-3-One (26172-55-4) and -Methyl-4-Isothiazolin-3-One (2682-20-4) | 55965-84-9 | 613-167-00-5 | 0.04% |

## 4.FIRST AID MEASURES

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| **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 |

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

**5.FIRE FIGHTING MEASURES**

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| **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 we worn in case of fire. |
| **Special hazards arising from the substance or mixture** | In combustion, may emit toxic fumes. |

**6.ACCIDENTAL RELEASE MEASURES**

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| **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**

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| **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**

**8.1Control parameters:** Contains no substances with occupational exposure limit values.

**8.2Individual 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.

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| **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**

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|---|---|
| **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 |

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|---|---|
| **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: noctanol/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**

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|---|---|
| **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

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|---|---|
| **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

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|---|---|
| **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.

## 16. OTHER INFORMATION

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since Boster Corporation cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.