1.0 PRODUCT AND COMPANY INFORMATION

1.1 **Product name:** Human IL-20 Standard ABTS ELISA Development Kit  
**Components:** Goat Anti-Human IL-20, Biotinylated Goat Anti-Human IL-20, Recombinant Human IL-20, and Avidin-HRP Conjugate.

1.2 **Catalog # / Part number:** 900-K224

1.3 **Manufacturer / Supplier:**

PeproTech Inc.  
Corporate Headquarters  
Princeton Business Park  
5 Crescent Avenue  
P.O. Box 275  
Rocky Hill, NJ 08553  
Phone: 800-436-9910 / 609-497-0253  
Fax: 609-497-0321

1.4 **Emergency Information:**

Please call PeproTech at 609-497-0253  
**EMERGENCY HEALTH INFORMATION:**  
800-424-8802 National Response Center

1.5 **Application of the substance or mixture:** Not for human use.

1.6 **Other product information:** This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.

2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.
4.0 FIRST AID MEASURES

4.1 Description of first aid measures:

**Eye contact:** May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

**Skin contact:** May cause skin irritation. Immediately flush with plenty of water.

**Inhalation:** No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

**Ingestion:** No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 Classification of substance or mixture: The product is non-flammable.

5.2 Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 Protective equipment: Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 Methods for clean up: Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 Storage: Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 Additional information: See product data sheet for more information on handling and storage.

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

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

8.2 Engineering controls: Ensure adequate ventilation. Use appropriate personal protective work clothing.

8.3 Personal precautions:

**Eye:** Wear appropriate eye protection.
Skin: Wear clothing and gloves that cannot be penetrated by chemicals or oil.

Inhalation: Respiratory equipment is not required.

### 9.0 CHEMICAL AND PHYSICAL PROPERTIES

**9.1 Description of chemical and physical properties:**

- **Appearance:** Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.
- **Avidin-HRP Conjugate:** Liquid; light brown
- **Odor:** None
- **pH:** Not available
- **Vapor pressure:** Not available
- **Vapor density:** Not available
- **Boiling point:** Not available
- **Melting/freezing point:** Not available
- **Flash point UEL/LEL:** None established
- **Evaporation rate:** Undetermined
- **Flammability:** Non-flammable material
- **Solubility:** Not available
- **Specific gravity (water = 1):** Not available
- **Volatile %:** Not available
- **Water content:** Not available
- **Decomposition Temperature:** Not available
- **Autoignition Temperature:** None established
- **VOC content:** Not available
- **Viscosity:** Not available

### 10.0 STABILITY AND REACTIVITY

**10.1 Stability:** Stable under recommended storage conditions.

**10.2 Conditions to avoid:** Heat and moisture

**10.3 Materials to avoid:** Strong oxidizing agents

**10.4 Hazardous decomposition:** None determined

**10.5 Hazardous polymerization:** Does not spontaneously polymerize
11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.
Skin contact: May cause skin irritation.
Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.
Ingestion: May be harmful if swallowed.
Carcinogenicity: None
Reproductive toxicity: None
Mutagenicity: None
Sensitization: None

12.0 ECOLOGICAL INFORMATION

12.1 Ecotoxicity: Undetermined
12.2 Biodegradability: Undetermined
12.3 Mobility: Undetermined
12.4 Bioaccumulation: Undetermined

13.0 DISPOSAL INFORMATION

13.1 Disposal method: Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.
IATA Hazard class: Non-hazardous for transport.
IMDG Hazard class: Non-hazardous for transport.

15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not
15.2 Additional Regulations:

**WHMIS Controlled Product Classification:** This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

**EC Inventory (EINECS/ELINCS):** Not determined

**Japan Inventory (MITI):** Not determined

**Australia Inventory (MITI):** Not determined

**Korea Inventory (ECL):** Not determined

**Canada Inventory (DSL):** Not determined

**Philippine Inventory (PICCS):** Not determined

16.0 OTHER INFORMATION

16.1 **Disclaimer:** Not for human use.

16.2 **Note to reader:** This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.