1. Identification of the preparation and of the supplying company:

Product Part Number: 3KC534-075
Product Identification: HBR 1, Purified (Heterophilic Blocking Reagent 1)
Product/Trade Name (as Labeled on box): HBR1, Purified
Kit Contents: N/A
Manufacturer: Scantibodies Laboratory, Inc.
Manufacturer's Address: 9336 Abraham Way, Santee, CA 92071, USA
Manufacturer's Phone Number: (619) 258-9300
In Case of Emergency: (619) 258-9300

2. Hazards Identification:

2.1 Classification of the substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):
Based on evaluation of currently available data, this substance or mixture is not classifiable according to GHS.

2.2 GHS Label elements including precautionary statements:

None

Hazardous Statement(s):
No phrases apply.

Precautionary statement(s):
No phrases apply.

Hazard not otherwise classified (HN)C) or not covered by GHS:
None

3. Composition/Information on Ingredients:

3.1 Chemical Characterization: Murine derived proteins in a buffered salt solution.
3.2 Synonyms: None
3.3 (CAS) number or other identifiers: None

4. First Aid Procedures:

4.1 Description of first aid measures

General Advice: Consult with a physician. Show this safety data sheet to the doctor in attendance.
Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Skin: Wash affected area with soap and plenty of water. Consult a physician.
Eyes: Flush with copious amounts of water or eyewash saline for at least 15 minutes. Consult with a physician if irritation occurs.
Inhalation: If breathed in, remove person into fresh air. If not breathing, give artificial respiration. Consult a physician.
4.2 Most important symptoms and effects, both acute and delayed:
None

4.3 Indication of any immediate medical attention and special treatment needed:
None.

5. Fire Fighting Measures:

5.1 Extinguishing media
Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide

5.2 Special hazards arising from the substance or mixture
Nature of decomposition products not known.

5.3 Advice for firefighters
Wear self contained breathing apparatus for firefighting if necessary

5.4 Further information
No data available

6. Accidental Release Measures:

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid skin contact. For personal protection, see Section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 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.

6.4 Reference to other sections
For disposal see Section 13.

7. Handling and Storage:

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see Section 2.2.
Wash hands after working with substance.

7.2 Conditions for safe storage, including incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature is at or below -20°C.

7.3 Specific end use(s)
Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated

8. Exposure Controls/Personal Protection:

8.1 Control parameters:
Components with workplace control parameters
Contains no substances with occupational exposure limit value.
8.2 Exposure controls:

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment
Eye/face protection
Face shield or safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. 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
Lab Coat.

Respiratory protection
None.

Control of environmental exposure
 Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided

9. Physical and Chemical Properties:

9.1 Information on basic physical and chemical properties

a. Appearance Form: Frozen liquid
b. Odor No data available
c. Odor Threshold No data available
d. pH Normal range: pH 7.2 – 7.6
e. Melting point/ freezing point No data available
f. Initial boiling point and boiling range N/A
g. Flash point N/A
h. Evaporation rate No data available
i. Flammability (solid, gas) Product is not flammable
j. Upper/lower flammability or explosive limits N/A
k. Vapor pressure N/A
l. Vapor density N/A
m. Relative density 1.0 g/mL
n. Water solubility Soluble
o. Partition coefficient: n-octanol/water No data available
p. Auto-ignition temperature N/A
q. Decomposition temperature No data available
r. Viscosity No data available
s. Explosive properties None

t. Oxidizing properties No data available

9.2 Other safety information
No data available

10. Stability and Reactivity:

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions

10.3 Possibility of hazardous reactions
No hazardous reactions known.

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Strong oxidizing agents, alkali metals.

10.6 Hazardous decomposition products
Other decomposition products – no data available.
In the event of fire: see Section 6

11. Toxicological Information:

11.1 Information on toxicological effects

Acute Toxicity No known toxicological effects.

Inhalation No data available.

Dermal No known dermatological effects.

Skin corrosion/irritation No data available

Serious eye damage/eye irritation No data available

Respiratory or skin sensitization No data available

Germ cell mutagenicity No data available

Carcinogenicity:

IARC: No component or this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP No component or this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
## 12. Ecological Information:

<table>
<thead>
<tr>
<th>Section</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.1</td>
<td>Toxicity</td>
</tr>
<tr>
<td>12.2</td>
<td>Persistence and degradability</td>
</tr>
<tr>
<td>12.3</td>
<td>Bioaccumulative potential</td>
</tr>
<tr>
<td>12.4</td>
<td>Mobility in soil</td>
</tr>
<tr>
<td>12.5</td>
<td>Results of PBT and vPvB assessment</td>
</tr>
<tr>
<td>12.6</td>
<td>Other adverse effects</td>
</tr>
</tbody>
</table>

## 13. Disposal:

<table>
<thead>
<tr>
<th>Section</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.1</td>
<td>Waste treatment methods</td>
</tr>
<tr>
<td>Product</td>
<td>Offer surplus and non-recyclable solutions to a licensed disposal facility.</td>
</tr>
<tr>
<td>Contaminated packaging</td>
<td>Dispose of as unused product</td>
</tr>
</tbody>
</table>

## 14. Transport Information:

<table>
<thead>
<tr>
<th>Section</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT (US):</td>
<td>Not dangerous goods</td>
</tr>
<tr>
<td>IMDG:</td>
<td>Not dangerous goods</td>
</tr>
<tr>
<td>IATA:</td>
<td>Not dangerous goods</td>
</tr>
</tbody>
</table>

## 15. Regulatory Information:

<table>
<thead>
<tr>
<th>Section</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>REACH No.</td>
<td>A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.</td>
</tr>
<tr>
<td>California Prop. 65 Components</td>
<td>This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.</td>
</tr>
</tbody>
</table>

Cat 3KC534-075, Vs. 02 Rev. Date: 25 March 2015
Safety Data Sheet
Implementing Directives (CE) No. 1907/2006

SARA 302 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 302.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
No SARA Hazards

Massachusetts Right to Know Components
None

Pennsylvania Right to Know Components
None

New Jersey Right to Know Components
None

16. Other Information:

Company Policy or Disclaimer
DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

Document Revisions:

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Changes</th>
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<tbody>
<tr>
<td>01</td>
<td>31 Mar 2006</td>
<td>Initial Release</td>
</tr>
<tr>
<td>02</td>
<td>25 Mar 2015</td>
<td>Updated to GHS system</td>
</tr>
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Document Approval:

Reviewed/Approved By: Tuan Tuan Date: 20 May 2015