Safety Data Sheet

Version 1.0
Revision Date 10-15-2019

1. Product and Company Identification

Product Name	F(ab')2 Goat anti-Rat IgG-heavy and light chain Antibody Alkaline Phosphatase Conjugated
Catalog Number	A110-138AP
Supplier	Bethyl Laboratories, Inc. 25043 West FM 1097 Montgomery, TX 77356
Telephone	800-338-9579
Fax	866-597-6105
Product Use	For Research Use Only, Not for Diagnostic Use.

2. Hazards Identification

GHS Classification
Not a hazardous substance or mixture.

GHS Label elements

Pictogram	none
Signal word	none
Precautionary Statement(s)	none

HMIS Classification

Health hazard	0
Flammability	0
Physical hazards	0

NFPA Classification

Health hazard	0
Fire	0
Reactivity hazards	0

3. Composition/Information on Ingredients

Mixtures

No ingredients are hazardous according to OSHA criteria.
No components need to be disclosed according to the applicable regulations.

4. First Aid Measures

If swallowed	Rinse mouth with water provided person is conscious.
Skin contact	Wash skin with soap and plenty of water.
Eye exposure	Flush with water as a precaution.
If inhaled	Move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

5. Fire-Fighting Measures

Conditions of flammability
Not flammable or combustible

Extinguishing Media
Water, foam, carbon dioxide, or dry chemical

Unusual Fire & Explosion Hazard
No usual fire or explosion hazards noted.

Special protective equipment for firefighters
Wear self-contained breathing apparatus if necessary.

6. Accidental Release Measures

Personal precautions
If spill occurs, wear protective gloves and clean up the spill area with inert absorbent material. Avoid post-cleanup contact of chemical with skin, eyes or inhalation.

Environmental precautions
Do not allow to enter drains, sewers or watercourses.

Methods and materials for containment and cleaning up
Dispose of clean-up waste in suitable closed containers

7. Handling and Storage

Conditions of safe storage
Keep container tightly closed and upright to prevent leakage.

Recommended storage temperature is 2 - 8°C.

8. Exposure Controls/Personal Protection

Contains no substance with occupational exposure limit values

Respiratory protection
If area is well ventilated, respiratory protection not required.

Hand protection
Handle with gloves.

Eye protection
Wear safety goggles.

Skin and body protection
Lab coat to limit skin exposure

General hygiene
Wash hands before breaks and at the end of each work shift and before eating, smoking or using the toilet. Wash contaminated clothing and shoes before reuse.

9. Physical and Chemical Properties

Appearance	
Form	liquid
Color	colorless
Odor	no characteristic odor
Safety Data	
pH	no data available
Melting point/ Freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition point	no data available
Auto-ignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapor pressure	no data available
Density	no data available
Water Solubility	no data available
Partition coefficient n-octanoic/water	no data available
Relative vapor density	no data available
Evaporation rate	no data available

10. Stability and Reactivity

Chemical stability
Product is stable under normal conditions of storage and use.

Possibility of hazardous reactions
No data available

Conditions to avoid
No data available

Materials to avoid
Strong acids

Hazardous decomposition products
Under normal conditions and use, hazardous decomposition products should not be produced.

11. Toxicological Information

Acute toxicity (Oral LD50)	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity	Not listed by IARC, ACGIH, NTP, OSHA

Reproductive toxicity	No data available
Specific target organ toxicity single exposure	No data available
Specific target organ toxicity repeated exposure	No data available
Aspiration hazard	No data available
Potential health effects	
Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if adsorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation
Health Warnings	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

12. Ecological Information

Toxicity	No known OSHA hazards.
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPvb assessment	No data available
Other adverse effects	Harmful to aquatic life

13. Disposal Considerations

Dispose of material in accordance with federal, state, and local regulations.

14. Transportation Information

No special transport regulations

DOT (US)	Not dangerous goods
ADR (road)/RID(rail)	Not dangerous goods
IMDG (sea)	Not dangerous goods
ICOA/IATA (air)	Not dangerous goods

15. Regulatory Information

OSHA Hazards
No known OSHA hazards

SARA 302 Components
The following components are subject to reporting levels established by SARA title III, Section 302:

Sodium Azide CAS No. 26628-22-8

SARA 311 Components

No chemical components were found

SARA 311/312 Hazards
No SARA hazards

Canadian WHMIS
Not controlled under WHMIS.

EU Regulation/Classification/Labeling information
The product is classified and labeled in accordance with Regulation EC No 1272/2008.

16. Other Information

For research use only.

Read instructions for use before using the product. Observe the general safety regulations when handling chemicals.

The above information is believed to be correct but does not purport to be all-inclusive and is intended to be used only as a guide. Bethyl Laboratories, Inc. shall not be liable or responsible in any way for use of either this information or the material supplied. Disposal of hazardous material may be subject to federal, state, or local laws or regulations.

Prepared by: Safety Department
Bethyl Laboratories, Inc.
1 -800-338-9579