Material Safety Data Sheet (MSDS)

Last updated October2020; Revision Number: 2.0

Product and Company Identification

Product Name: Rabbit anti Midkine Polyclonal Antibody
Catalog Number: 600-110
Unit Size: 100 µg
Manufacturer/Supplier:

AbboMax, Inc.
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Composition / Information on Ingredients

The vial contains purified antibody supplied in a buffer consisting of 0.01M Phosphate-Buffered Saline (pH 7.2-7.4) with 0.01% NaN3 and antibody stabilizer.
No hazardous ingredient is present in an amount that requires labeling.

Hazards Identification

No hazardous ingredient is present in an amount that requires labeling.
The contents of ingredients listed as hazardous are given below:

Component	Ingredient	Concentration	CAS#	EC#	Classification (Pure ingredient)	Classification (antibody Preparation)
Antibody	Sodium Azide	0.01% (W/V)	26628-22-8	247-852-1	N/A	N/A

First aid Measures
First aid personnel should ensure self protection.

After swallowing:	Immediately make casualty drink plenty of water, induce vomiting for conscious patient and arrange a medical treatment.
After skin contact:	Wash off with plenty of water. Remove contaminated clothing. If necessary arrange medical treatment.
After eye contact:	Rinse out with plenty of water with the eyelids held wide open. Arrange medical treatment.

Accidental Release Measures
Use appropriate protective equipment and methods to clean up spilled substances promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.

Handling and Storage
General good laboratory practice should be maintained. Take care to keep workplace clean and dry. The substances used should not be present at the place of work in quantities above those required for carrying out the work. Do not leave containers open. Avoid general contact by handling, wear gloves and lab coat.
Store vials with the lids tightly closed at 4-8°C preferably in the dark.

Exposure Controls / Personal Protection
Wear appropriate gloves, protective clothing and eyewear and follow safe laboratory practices.

Specific use
The product is intended for *in vitro* research use only. Intended for professional use only.

ACGIH/OSHA Permissible Exposure Limit Data:
Not determined

Physical and Chemical Properties

Appearance:	Clear solution, odorless
pH:	7.2-7.4
Boiling Point:	N/A
Melting Point:	N/A
Flash Point:	N/A
Explosive properties:	N/A

Stability and Reactivity

Stable. Store at 4-8°C and replace at this temperature at the end of the working procedure.
Avoid heating above room temperature, freezing, contaminating.
Generally use only clean glass and plastic suitable for laboratory use for handling the antibody preparation.
Note that individual ingredients are incompatible with acids, heavy metals, metallic salts, bromine, dimethylsulfate, copper, dichloromethane, carbondisulfide and peptidases.

Toxicological Information

Because of the small size of the vial and the low concentration of hazardous ingredients, the toxicological risks are minor.
Toxicological experiments have not been done on the antibody preparation.
The following toxicological information is for the hazardous ingredient in pure form from ChemIdplus:
Sodium Azide is a cytochrome oxidase inhibitor which is a nitridizing agent and an inhibitor of terminal oxidation (Merck Index, 12th ed). Sodium azide acts as a fungicide, bactericide, herbicide, insecticide and nematocide.

Further ecological information

Do not allow to enter waters, waste water or soil.
Due to the small size of the vial and the low concentrations of hazardous ingredients, ecological risks are minor.

Transport Information

Hazard Class:	N/A
Identification Number:	N/A
Packing Group:	N/A
Proper Shipping Handling:	Lower temperature (2^{o}C-8^{o}C)

Regulations

The product does not contain a hazardous ingredient in an amount that requires identification and labeling according to EC directives.

Other Information

For research use only.

Read Product Specification before using the product. Observe the general safety regulations when handling chemicals. Good laboratory practice is the best preventive measure to avoid hazards.

The information above is believed to be accurate and represents the best information currently available to us. Users should make independent decision regarding completeness of the information based on all sources available. Abbomax, Inc shall not be held liable for any damage resulting from mishandling or from contact with the above product.

Prepared by: __ ____; Date: __10/26/2020_____

Quality Control Specialist; AbboMax, Inc