

Datasheet for 200-301-466**KLH Antibody****Overview**

Description:	Anti-KLH (MOUSE) Monoclonal Antibody - 200-301-466
Item No.:	200-301-466
Size:	500 µg
Applications:	ELISA
Reactivity:	KLH
Host Species:	Mouse

Product Details

Background:	Anti-KLH Antibody is used to detect Keyhole Limpet Hemocyanin. KLH is a copper-containing oxygen carrier occurring freely dissolved in the hemolymph of many mollusks and arthropods. KLH is often used in molecular immunology as a carrier protein conjugated to low molecular weight molecules such as peptides, amino acids, nucleic acids, drugs or toxins to render them more immunogenic due to the size of the conjugate complex and the immunogenicity of KLH. KLH forms a large complex composed of ~50 kDa subunits.
Synonyms:	mouse anti-KLH Antibody, Keyhole Limpet Hemocyanin, KLH antibody
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	12B4.G3.A8
Format:	IgG1

Target Details

Reactivity:	KLH
Immunogen Type:	Native Protein
Immunogen:	Anti-KLH (MOUSE) Monoclonal Antibody was produced in mouse by repeated immunizations with KLH (Keyhole Limpet Hemocyanin) followed by hybridoma development.
Purity/Specificity:	Anti-KLH purified mouse monoclonal antibody was purified from concentrated tissue culture supernate by Protein A chromatography reacts specifically with KLH.

Application Details

Tested Applications:	ELISA
Application Note:	Anti-KLH has been tested by ELISA. It can be used as a control in various assays and in ELISA assays to detect KLH or KLH conjugates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:100,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

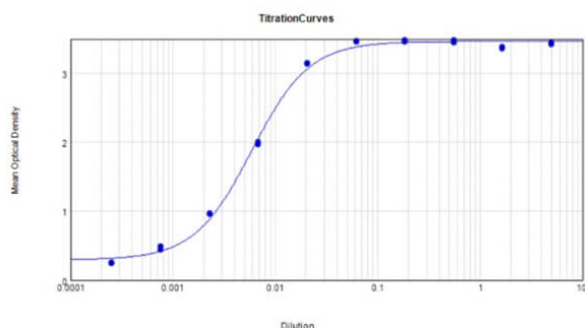
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.004 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store anti-KLH at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ELISA

ELISA Results of Mouse Anti-KLH Antibody tested against purified KLH protein. Each well was coated in duplicate with 1.0 µg of KLH. The working dilution is 1:170,000. The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using HRP Conjugated Stabilizer (p/n MB-076), Rabbit Anti-Mouse IgG HRP conjugated (p/n 610-403-C46) and TMB substrate (p/n TMBE-1000).

Disclaimer

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