

Datasheet for 200-301-E66S**KLH Antibody****Overview**

Description:	Anti-KLH (MOUSE) Monoclonal Antibody - 200-301-E66S
Item No.:	200-301-E66S
Size:	25 µL
Reactivity:	KLH
Host Species:	Mouse

Product Details

Background:	KLH antibody is used to detect Keyhole Limpet Hemocyanin in ELISA assays. 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:	3B1
Format:	IgM

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 is a total IgM fraction prepared from ascites fluid by selective precipitation and tandem molecular sieve chromatography followed by extensive dialysis against the buffer stated above. KLH antibody is specific for KLH. Does not cross react with mouse heart or skin tissue sections. Cross-reactivity from other sources has not been determined.

Application Details

Application Note:	Anti-KLH can be used as an IgM isotype control in various assays or 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:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.1 M Tris Chloride, 0.5 M Sodium Chloride, pH 8.0
Preservative:	0.1% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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