

Anti-KLH (MOUSE) Monoclonal Antibody
KLH Antibody
Catalog # ASR4161**Specification**

Anti-KLH (MOUSE) Monoclonal Antibody - Product Information

Host	Mouse
Conjugate	Unconjugated
Clonality	Monoclonal
Application	WB, IHC, E, I, LCI
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.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Anti-KLH (MOUSE) Monoclonal Antibody was produced in mouse by repeated immunizations with KLH (Keyhole Limpet Hemocyanin) followed by hybridoma development.
Preservative	0.01% (w/v) Sodium Azide

Anti-KLH (MOUSE) Monoclonal Antibody - Additional Information**Purity**

Anti-KLH purified mouse monoclonal antibody was purified from concentrated tissue culture supernate by Protein A chromatography reacts specifically with KLH.

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.

Precautions Note

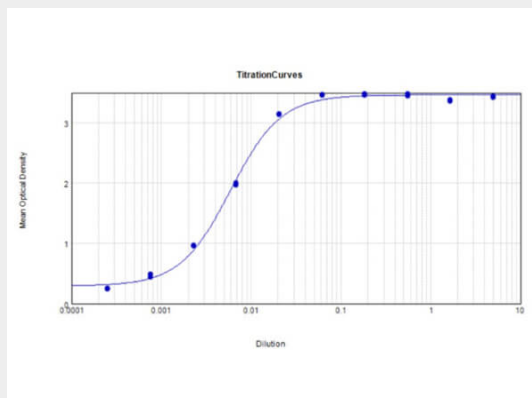
This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-KLH (MOUSE) Monoclonal Antibody - Protein Information**Anti-KLH (MOUSE) Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-KLH (MOUSE) Monoclonal Antibody - Images



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 5 $\mu\text{g}/\text{ml}$ 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).

Anti-KLH (MOUSE) Monoclonal Antibody - 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.