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Mouse Anti-KLH (Clone B-K60) mAb, Azide Free

Catalog No.	CDH009A CDH009B	**Quantity:**	200 µg 500 µg

Alternate Names: Keyhole limpet hemocyanin, KLH

Description: Keyhole limpet hemocyanin (KLH) is a large, multisubunit, oxygen-carrying, metalloprotein that is found in the hemolymph of the giant keyhole limpet, *Megathura crenulata*.
Keyhole limpet hemocyanin (KLH) is used as a carrier protein in the production of antibodies for haptens, substances with a low molecular weight such as peptides, small proteins and drug molecules that are generally not immunogenic. KLH as a conjugated protein stimulates a response from the immune system. KLH is an effective carrier protein due to its large size and numerous epitopes that generate a substantial immune response. An abundance of lysine residues in KLH protein for coupling allows a high hapten:carrier protein ratio, increasing the likelihood of generating hapten-specific antibodies. In addition, because KLH is derived from the limpet, a gastropod, it is phylogenetically distant from mammalian proteins, thus reducing false positives in immunologically-based research techniques in mammalian model organisms.

Concentration: 1.0 mg/ml

Hybridoma: Myeloma X63/AG.8653 x Balb/c node cells

Specificity: Keyhole limpet hemocyanin from *Megathura crenulata*

Immunogen: Protein chimeric KLH

Isotype: Mouse IgG1 kappa

Clone: B-K60

Formulation: Sterile-filtered PBS, carrier and preservative free.

Applications: ELISA

Storage & Stability: Stable at 2-8°C for 12 months.

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