

# Anti-Shrimp Hemocyanin Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

Catalog # M900005

## Product Information

Application	ELISA, WB
Host	Mouse
Clonality	Monoclonal
Clone No.	53C18D31
Isotype	IgG
Label	Unconjugated
Immunogen	The shrimp hemocyanin (SHC) which is extracted from <i>Penaeus vannamei</i> ( <i>P. vannamei</i> )
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Shrimp Hemocyanin Mouse mAb [53C18D31] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	shrimp hemocyanin
Calculated MW	72 kDa
Uniprot ID	G9BYP1
Background	Hemocyanins are respiratory proteins occurring freely dissolved in the hemolymph of many arthropods and molluscs. Similar to molluscs, arthropods are evolutionally distant from mammals, suggesting that hemocyanin from arthropods may induce a strong immune response in mammals. The hemocyanin from the white-leg shrimp ( <i>Penaeus vannamei</i> ( <i>P. vannamei</i> )), which belongs to the phylum Arthropoda, was considered after several logical thoughts.

