



## KLH (MTK2059): sc-73396

### BACKGROUND

Hemocyanin proteins, which are freely dissolved in mollusk and arthropod hemolymph, belong to the tyrosinase family of proteins. Keyhole limpet hemocyanin (KLH) is an extracellular respiratory protein that is commonly used as hapten carrier. It is also used as an immune stimulant since it activates T cells and induces higher titres of IgE and IgG<sub>1</sub> antibody levels. The marine gastropod *Megathura crenulata* expresses KLH. KLH has two isoforms: KLH1 and KLH2. KLH is useful as an immunotherapeutic alternative for patients with cancer, and it also has implications in the treatment of drug addiction.

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### SOURCE

KLH (MTK2059) is a mouse monoclonal antibody raised against KLH.

### PRODUCT

Each vial contains 100 µg IgG<sub>1</sub> in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

### APPLICATIONS

KLH (MTK2059) is recommended for detection of keyhole limpet hemocyanin (KLH) by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

### STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

### RESEARCH USE

For research use only, not for use in diagnostic procedures.

### PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.