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 IgG1 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.

REFERENCES


SOURCE

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

PRODUCT

Each vial contains 100 µg IgG1 in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

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

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

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.