

# Keyhole Limpet Hemocyanin (KLH)

Cat# C5002 – 25 mg

Lyophilized powder: -20 °C for 2 years; Prepared solution: -20 °C for 2 months; With 0.1% sodium azide: 2-8 °C for 2 weeks.

## INTRODUCTION

**Keyhole limpet hemocyanin (KLH)** is a large, oxygen-carrying, blue metalloprotein that found in hemolymph of mollusks and arthropods (spiders and beetles). Hemocyanin contains two copper ions directly linked to the polypeptide chain. Like iron-containing hemoglobin, it easily bound to oxygen and dissociates from oxygen. In immunological studies, KLH is widely used to conjugated with antigen and serve as immune-stimulant.

## INFORMATION

Synonyms: Hemocyanin, KLH, Blood blue protein

Purity/Assay: Protein ≥85% (by biuret)

Copper content: 0.10-0.20%

Origin from *Limulus polyphemus* hemolymph

## PRODUCT USE LIMITATION

These products are intended for research use only.