



Research Grade Stellar KLH Products

PRODUCT FACT SHEET

Keyhole limpet hemocyanin (KLH) is a large copper-containing, immune stimulating protein found in the hemolymph of *Megathura crenulata* (Giant Keyhole Limpet). KLH has been widely used as an effective neoantigen for immune function testing due to its ability to induce a robust cellular and humoral immune response. Stellar Biotechnologies is the only KLH manufacturer with its own land-based aquaculture population of *Megathura crenulata* and using sustainable, environmentally sound processes. Our proprietary methods ensure that Stellar KLH™ production lots are consistently of the highest purity and potency.

Product Code.....	KLH-20MR	KLH-05NR
Product	Subunit KLH	High Molecular Weight KLH
Grade	Research	Research
Packaging.....	Millipore Mobius Bag	Millipore Mobius Bag
Protein Mass Per Unit.....	Custom	Custom
Concentration.....	18 - 22mg/mL	4.5 – 5.5 mg/mL
Molecular Weight.....	400-600 kDa	4-8 MDa
Appearance	Clear to slightly hazy blue liquid	Clear to slightly hazy blue liquid
Formulation	Liquid in water for injection	Liquid in DPBS
Purity (SEC)	≥90%	≥95%
Purity (PAGE)	≥90%	N/A
pH	6.9 – 7.9	6.9 – 7.9
Endotoxin.....	Report Result	Report Result
Storage	2°C to 8°C Do Not Freeze	2°C to 8°C Do Not Freeze

PRODUCT FEATURES

Traceability – From protein source to finished product

Sustainability – Produced only using environmentally sound methods from Stellar’s aquaculture population of *Megathura crenulata*

Supply – Scalable supply to meet customers’ long-term needs.

Research grade products are suitable for non-GMP, non-clinical applications.