

Product Specification Sheet

Anti- Keyhole limpet hemocyanin (KLH) Antibodies

– Cat. # KLH12-M	Mouse Monoclonal Anti-KLH, ascites	SIZE: 0.1 ml
– Cat. # KLH13-S	Goat Anti-KLH antiserum	SIZE: 0.1 ml
– Cat. # KLH14-S	Rabbit Anti-KLH antiserum	SIZE: 0.1 ml
– Cat. # KLH15-S	Chicken Anti-KLH antiserum	SIZE: 0.1 ml

Small peptides, proteins or haptens (<5 kda) are not very antigenic when injected into animals. Antigenicity of haptens can be increased tremendously if they are covalently conjugated to bigger proteins referred as carrier proteins. Most common carrier proteins are albumin (BSA), thyroglobulin, ovalbumin, and hemocyanin from invertebrates. Hemocyanin are blood/lymph proteins found in only two groups: the mollusks and the arthropods. Keyhole limpet hemocyanin (KLH) is particularly preferred carrier proteins due to its very large size and antigenicity in common host species. Any carrier protein-hapten conjugate typically induces antibody responses to the epitopes on the carrier protein and the hapten. Antibody response can be followed by ELISA using either the carrier protein or the free hapten or free hapten conjugated to another carrier protein. Availability of antibodies to KLH may serve as positive control for the presence of anti-KLH antibodies.

Source of Antigen and Antibodies

Cat # KLH12-M

Antigen	KLH protein from horseshoe crab
Ab Host/type	Balb/c mouse . Splenocytes were fused with Sp2/0 myeloma cells. Resulting clone (designated KLH12, isotype IgG2a), selected for reactivity with KLH, was expanded into mice as ascites
2-Ab	Goat Anti-mouse IgG-HRP conjugate Cat # 40320 (AP, biotin, FITC conjugates also available)
-ve control IgG	Cat # 20008-1, Mouse (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as –ve control

Cat # KLH13-S

Antigen	KLH (Hemocyanin, Keyhole Limpet, Megathura crenulata) protein
Ab Host/type	Goat, Polyclonal antiserum (Cat # KLH13-S)
2-Ab	Rabbit Anti-goat IgG-HRP conjugate Cat # 30220 (AP, biotin, FITC conjugates also available)
-ve control IgG	# 20011-1, Goat (non-immune) IgG, purified, suitable for ELISA, Western, IHC as –ve control

Cat # KLH14-S

Antigen	KLH (Hemocyanin, Keyhole Limpet, Megathura crenulata) protein
Ab Host/type	Rabbit, Polyclonal antiserum # KLH14-S
2-Ab	Cat # 20320, goat anti-rabbit IgG-HRP (AP, biotin, FITC conjugates also available).
-ve control IgG	Cat # 20009-1, Rabbit (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as –ve control

Cat # KLH15-S

Antigen	KLH (Hemocyanin, Keyhole Limpet, Megathura crenulata) protein
Ab Host/type	Chicken, Polyclonal antiserum # KLH15-S
2-Ab	Goat Anti-chicken IgG-HRP cat # 60320 (AP, biotin, FITC conjugates also available)
-ve control IgG	Cat # 20010-1, Chicken (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as –ve control

Suggested antibody Dilutions

Western	1:1K-:10K
ELISA:	1:5K-:20K

Specificity of antibodies

Mouse Monoclonal anti-KLH (#KLH12-M) react with KLH from horseshoe crab. It has no reactivity with human hemoglobin.

Polyclonal anti-KLH (#KLH13-15-S) react with KLH from Megathura crenulata and much less with horseshoe crab KLH. It has no reactivity with human hemoglobin.

Polyclonal antibodies to KLH, KLH protein, and KLH-Agarose are available for various applications.

**This product is for In vitro research use only.*

Other Fusion tag antibodies available from ADI

Anti-MBP, Poly-His, GST, beta-Gal, VSV-G, Flag, HA-tag, and c-myc, VSV11-M

ELISA kit for the detection of anti-KLH antibodies produced in mouse, rabbit, goat and chicken

KLH-Agarose for the removal of anti-KLH antibodies

KLH12-15-M-Anti-KLH-Antibodies 150629A

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444

Email: customerservice@lifetechindia.com Website: www.lifetechindia.com