MonoRab™ HA tag Antibody(109B2), mAb, Rabbit

Cat. No.: A01963-40

Host: Rabbit

Size: 40 µg

Ig Subclass: IgG

Clone: 109B2

Immunogen: a synthetic peptide containing the influenza hemagglutinin epitope (YPYDVPDYA). conjugated to KLH

Purification: Protein A affinity column

Conjugation: Unconjugated

Version: 03/8/2017

PRODUCT INFORMATION

Description

The rabbit immune system generates antibody diversity and optimizes affinity. GenScript utilizes MonoRab™ technology to generate high affinity and specific monoclonal rabbit antibodies. The HA tag is composed of several amino acids containing YPYDVPDYA and does not appear to interfere with the bioactivity or the biodistribution of recombinant proteins. GenScript MonoRab™ HA tag Antibody (109B2), mAb, Rabbit is specific to HA tags placed at the N-terminal, C-terminal, and internal regions of fusion proteins. This antibody can greatly improve the effectiveness of several different kinds of immunoassays, helping researchers identify and detect HA-tagged fusion proteins in bacteria, insect cells, and mammalian cells.

Specificity

MonoRab™ HA tag Antibody recognizes HA tags placed at N-terminal, C-terminal, and internal regions of fusion proteins.

Concentration

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

Note

GenScript can customize this product per the customer's request including product size, buffer components, etc.

Reconstitution

Reconstitute the lyophilized antibody with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.

Storage

The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentration may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended

starting points for this product.

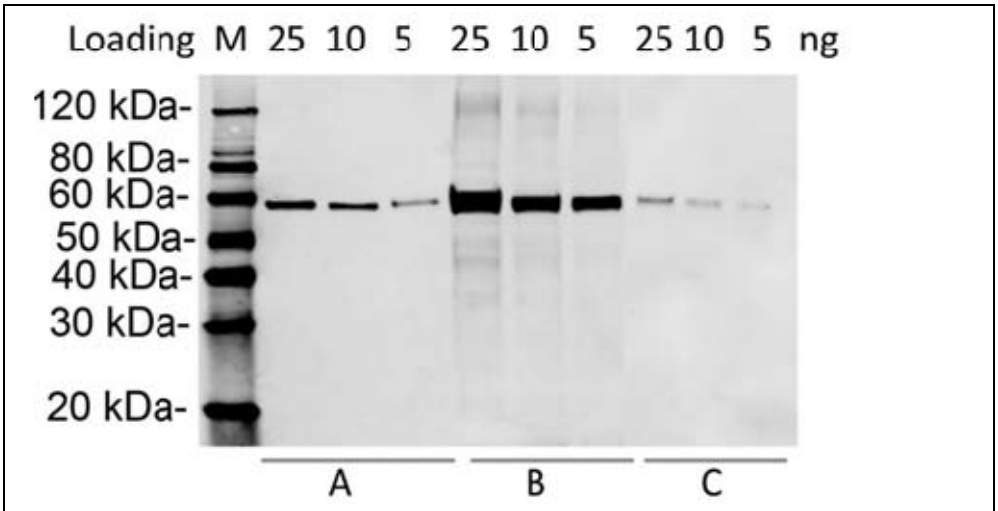
ELISA: 0.05-0.2 μg/ml

Western Blot: 0.1-0.2 μg/ml

Immunofluorescent staining: 0.5-2 μg/ml

Other applications: user-optimized

Example



Western blot analysis of MonoRab™ HA tag Antibody (109B2), mAb, Rabbit with HA-tag fusion proteins.

Loading:

A: C-terminal HA-tagged fusion protein (25 ng,10 ng,5 ng)

B: N-terminal HA-tagged fusion protein (25 ng,10 ng,5 ng)

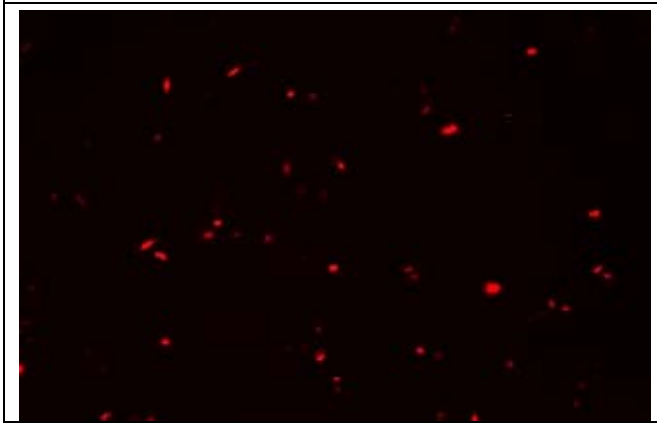
C: M-terminal HA-tagged fusion protein (25 ng,10 ng,5 ng)

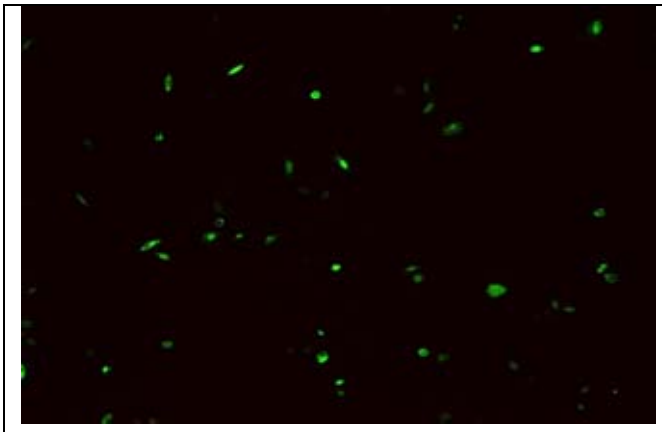
Primary Antibody:

MonoRab™ HA tag Antibody(109B2), mAb, Rabbit (A01963-40) 0.2 μg/ml

Secondary Antibody:

Goat anti-rabbit IgG (H&L) [IRDye800] (Licor,926-32211) 0.125 μg/ml





Immunofluorescence staining of MonoRab™ HA tag Antibody (109B2), mAb, Rabbit (A01963-40) with HA-tagged red fluorescent protein expression in CHO cells.

The cells were fixed with 4% Poly-Formaldehyde for 5min, permeabilized with 0.1% TritonX-100 for 5 minutes, and blocked in 3% BSA for 30min at room temperature. The cells were then stained with 1/1000 Rabbit Anti-HA-tag mAb at room temperature for 2h, followed by a further incubation at 37 °C for 1h with Mouse Anti-Rabbit IgG Antibody [iFluor488], mAb at 5 µg/ml.