

Rev03
Update: Dec,14,2021

DATASHEET

THE™ HA Tag Antibody, mAb, Mouse

Cat. No.: A01244

Overview

Specificity	THE™ HA Tag Antibody, mAb, Mouse (A01244) recognizes C-terminal, N-terminal, and internal HA tagged-fusion proteins.
Host Species	Mouse
Immunogen	A KLH coupled synthetic peptide (YPYDVPDYA)
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations 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.

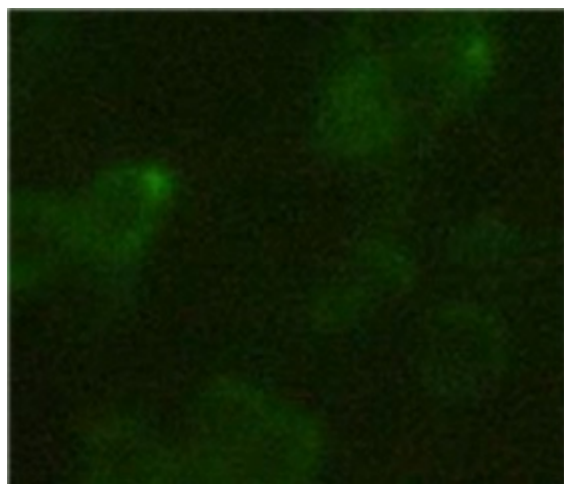
Application	Recommended Usage
ELISA	0.05-0.2 µg/ml
Western Blot	0.1-1.0 µg/ml
Immunoprecipitation	1 µg/ml
Other applications	User-optimized
Immunofluorescent staining	1 µg/ml
Flow cytometry	1 µg/ml

Properties

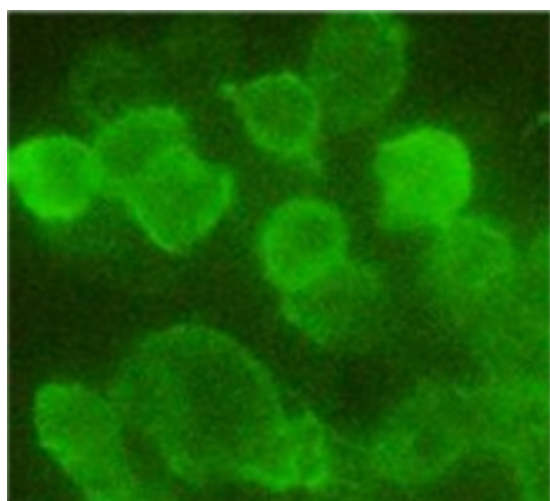
Form	Lyophilized
Storage Buffer	lyophilized with PBS, pH 7.4, containing 0.02% sodium azide
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.

Storage Instructions	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.
Purification	Protein A affinity column
Isotype	Mouse IgG1
Clonality	Monoclonal
Clone Id	5E11D8
Note	GenScript can offer this product per customer's request including product size, buffer components, etc.

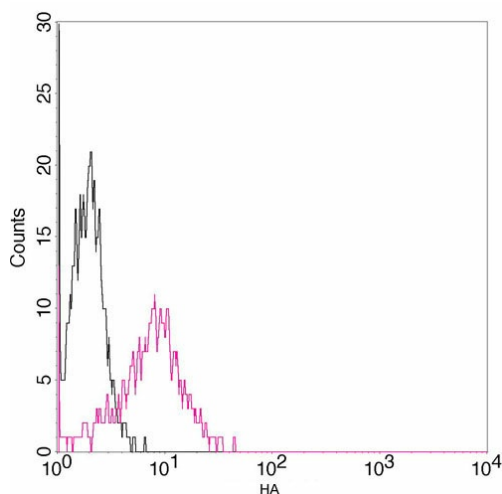
Examples



293 cells transfected with C-terminal HA tag protein
 Primary antibody: 1 µg/ml THE™ Anti-HA-tag Monoclonal Antibody (Mouse) (GenScript, A01244)
 Secondary antibody: 2 µg/ml Fluorescein Conjugated Affinity Purified Anti-mouse IgG (Rockland, 610-102-121)

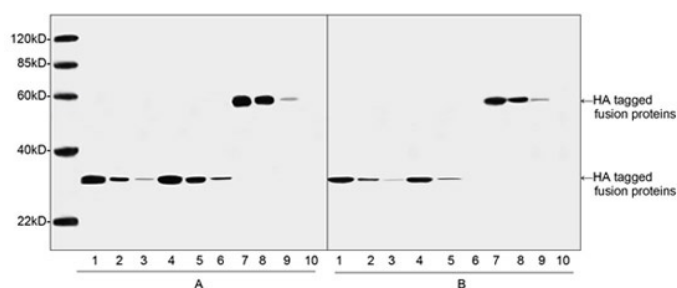


293 cells transfected with N-terminal HA tag protein
 Primary antibody: 1 µg/ml THE™ Anti-HA-tag Monoclonal Antibody (Mouse) (GenScript, A01244)
 Secondary antibody: 2 µg/ml Fluorescein Conjugated Affinity Purified Anti-Mouse IgG (Rockland, 610-102-121)



Flow cytometric analysis of non-transfected or HA fusion gene transfected CHO cells using

THE™ HA Tag Antibody, mAb, Mouse (GenScript, A01244) (black and pink respectively). The signal was developed with FITC conjugated Goat Anti-Mouse IgG.



Lane 1-3: 2 µl, 0.4 µl, 0.08 µl N-terminal HA-GST fusion protein in *E. coli* cell lysate

Lane 4-6: 2 µl, 0.4 µl, 0.08 µl C-terminal HA-GST fusion protein in *E. coli* cell lysate

Lane 7-9: 500 ng, 250 ng, 125 ng Internal HA tagged Fusion protein (Purified) (GenScript, M0101)

Lane 10: *E. coli* cell lysate

Primary antibody:

A. 1 µg/ml THE™ Anti-HA-Tag Monoclonal Antibody (Mouse) (GenScript, A01244)

B. 1 µg/ml Mouse Anti-HA Monoclonal Antibody (Commercial product, clone 12CA5)

Secondary antibody:

IRDye800 Conjugated affinity Purified Goat Anti-Mouse IgG

Background

Target Background : GenScript THE™ HA Tag Antibody, mAb, Mouse (A01244) is a highly sensitive monoclonal antibody applicable to HA-tagged fusion protein detection. It belongs to our THE™ elite antibody collection. HA, or human influenza hemagglutinin, is a surface glycoprotein required for human influenza virus infectivity. The HA tag does not appear to interfere with the bioactivity or the biodistribution of recombinant proteins. THE™ HA Tag Antibody, mAb, Mouse (GenScript, A01244) is a high-affinity monoclonal antibody that can be used to detect HA-tagged proteins. This product detects HA tags derived from an HA molecule corresponding to amino acids 98-106. It has been extensively used as a general epitope tag in expression vectors.

Synonyms : Mouse Anti-HA-Tag Monoclonal Antibody;

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.