DATASHEET

Version: 2016-08-17

THE™ HA Tag Antibody [iFluor 647], mAb, Mouse

Cat. No.: A01808-100

Size: 100 µg

Synonyms: THE™ HA Tag Antibody [iFluor 647], mAb, Mouse; HA Tag Antibody [iFluor 647], mAb, Mouse; 647 conjugated HA antibody; 647 conjugated HA monoclonal antibody

Description:

The HA tag is a polypeptide with the amino acid sequence YPYDVPDYA that can be added to a target protein using recombinant DNA technology. It can be fused to the N-terminus or C-terminus of the protein to facilitate detection and purification. An anti-HA tag antibody is a useful tool for the analysis of HA-tagged proteins.

THE™ HA Tag Antibody [iFluor 647], mAb, Mouse is THE™ HA Tag Antibody (A01244) conjugated with iFluor 647 under optimal conditions with an F/P ratio of 3-6. It is suitable for detecting the expression level of HA-tagged proteins. iFluor 647 is a bright and photostable fluorescent dye. It is an excellent alternative to Alexa Fluor 647.

Immunogen: A synthetic peptide YPYDVPDYA coupled to KLH

Host: Mouse

Conjugation: iFluor 647

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 10 mg/ml BSA and 0.02% sodium azide.

Ig Subclass: IgG1, k

Specificity: THE™ HA Tag Antibody [iFluor 647], mAb, Mouse recognizes N-terminal, internal and C-terminal HA-tagged proteins.

Fluorescent Dye Characterization

Example

Cat. No.	Conjugate	Ex (nm)	Em (nm)
A01806	iFluor 488	491	514
A01807	iFluor 555	559	569
A01808	iFluor 647	654	674

Purification: Protein A affinity column

Applications:

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

Immunofluorescent staining: 1-4 µg/ml

Flow cytometry: 1-4 µg/ml

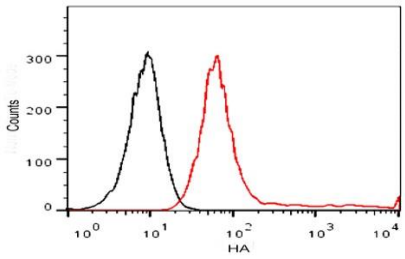
Other applications: user-optimized

Reconstitution:

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

Storage:

The lyophilized product remains stable up to 2 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.



Flow cytometric analysis of non-transfected CHO cells (Black) or HA-tagged protein transfected CHO cells (Red) using **THE^{TM} HA Tag Antibody [iFluor 647], mAb, Mouse** (A01808-100, 4 µg/ml).