Rev05
Update: Oct,19,2022

DATASHEET

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

Cat. No.: A01802

Overview

Specificity	THE™ His Tag Antibody [iFluor 647], mAb, Mouse recognizes His tags localized at the N-terminal, C-terminal, and internal region of fusion proteins.
Host Species	Mouse
Immunogen	A synthetic peptide HHHHHH coupled to KLH
Conjugate	iFluor 647

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.

Application	Recommended Usage
Immunocytochemistry/Immunofluorescence (ICC/IF)	1-4 µg/ml
Flow Cytometry	1-4 µg/ml

Properties

Form	Lyophilized
Storage Buffer	Lyophilized with PBS, pH 7.4, containing 10 mg/mL BSA and 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to a final concentration of 0.5 mg/mL.
Storage Instructions	The lyophilized product remains stable for up to 1 year at -20°C from date of receipt. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C or for up to 12 months at -20°C or below. Upon receiving, spin the vial down to place the lyophilized antibody on the bottom of the vial. Reconstitute the antibody as mentioned above. Prepare single use aliquots (no less than 10µl) in amber vials and freeze it immediately at -20ºC. The frozen aliquots should be thawed once with any remainder kept at 4ºC.

Purification	Purified by Protein A affinity chromatograph.
Isotype	Mouse IgG1,κ
Clonality	Monoclonal
Clone ID	6G2A9

Examples

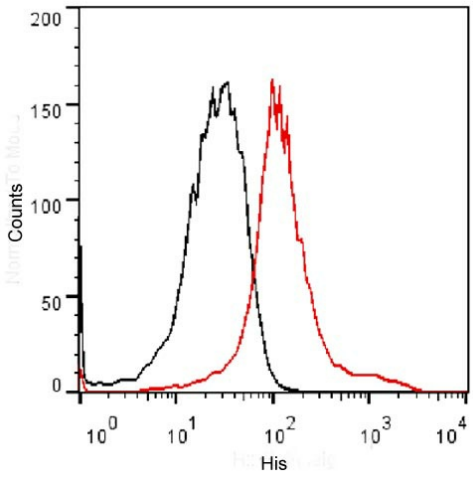

Figure 1. Detection of His-tag in CHO cells transfected with His-tagged protein (Red), and non-transfected CHO cells (Black) by flow cytometry using **THE™ His Tag Antibody [iFluor 647], mAb, Mouse** (A01802-100, at 4 µg/mL concentration).

Background

Target Background : His tag is a short amino acid sequence consisting of Histidine (His) residues appended to recombinant proteins. Ni-charged resins are commonly used for the purification of His-tagged proteins from eukaryotic and prokaryotic expression systems. An anti-His tag antibody is a useful tool for analysis of His-tagged proteins. THE™ His Tag Antibody [iFluor 647], mAb, Mouse is THE™ His Tag Antibody (A00186) conjugated with iFluor 647 under optimal conditions with an F/P ratio of 3-6. It is suitable for detecting the expression level of His-tagged proteins. iFluor 647 is a bright and photostable fluorescent dye. It is an excellent alternative to Alexa Fluor 647.

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

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

GenScript USA, Inc.
860 Centennial Ave. Piscataway, NJ 08854
Tel: 1-732-885-9188