Rev10
Update: Sep,01,2026

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 product remains stable for 1 year at -20°C from the date of receipt. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C.Avoid repeated freezing and thawing cycles.
Purification	Purified by Protein A affinity chromatograph.
Isotype	Mouse IgG1,κ
Clonality	Monoclonal
Clone ID	6G2A9

Examples

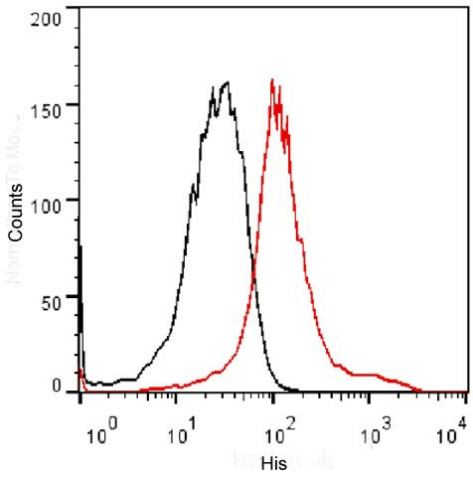

Figure 1. Detection of His-tag in CHO cells transfected with His-tagged protein (Red), and non-transfected CHO cells (Black) by flow cytometry using **THE™ His Tag Antibody [iFluor 647], mAb, Mouse** (A01802-100, at 4 µg/mL concentration).

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

Terms of Use

Terms of Use	Third-Party Trademark Acknowledgement: All product and company names mentioned are trademarks or registered trademarks of their respective owners. iFluor® is a registered trademark of AAT Bioquest, Inc. and is used for identification purposes only. GenScript is not sponsored by, affiliated with, or endorsed by the respective trademark owners.

Limited Use License and Use Restrictions

Limited Use License and Use Restrictions	This Product is provided under a limited, non-exclusive, non-transferable, and non-sublicensable end-user license strictly limited to the permitted uses set forth in GenScript’ s official documentation, quotations, or written agreements. Any use beyond such scope requires GenScript’ s prior written authorization or license. Except as expressly authorized in writing by GenScript, Customer shall not, and shall not permit, procure, enable, or assist any third party to: (a) commercialize or otherwise exploit the Product, including by reselling, distributing, transferring, sublicensing, or otherwise making the Product (including any product incorporating the Product) available to any third party; (b) copy, reproduce, clone, reverse clone, sequence, analyze, characterize, deconstruct, reconstruct, reverse engineer, or otherwise attempt to discover the composition, sequence, structure, binding characteristics, epitope recognition characteristics, or other proprietary features of the Product; (c) modify, derivatize, humanize, optimize, mutate, design around, or generate any variants, derivatives, fragments, substitutes, or functional equivalents of the Product; or (d) use the Product, any information derived therefrom, or any computational, AI-enabled, or sequence-based design method to develop, manufacture, offer for sale, sell, or commercialize any product or service competitive with the Product or GenScript’ s products or services. All intellectual property rights and all rights not expressly granted herein are reserved by GenScript. No rights are granted by implication, estoppel, or otherwise.

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

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China