

Rev04  
Update: Oct,19,2022**DATASHEET**

# THE™ His Tag Antibody [iFluor 488], mAb, Mouse

Cat. No.: A01800

## Overview

<b>Specificity</b>	THE™ His Tag Antibody [iFluor 488], mAb, Mouse recognizes N-terminal, internal and C-terminal His-tagged proteins.
<b>Host Species</b>	Mouse
<b>Immunogen</b>	A synthetic peptide HHHHHH coupled to KLH
<b>Conjugate</b>	iFluor 488

## 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.

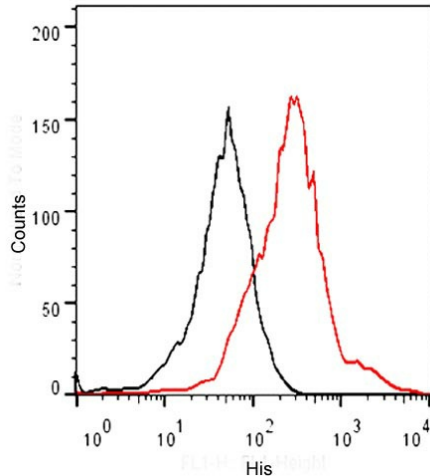
<b>Application</b>	<b>Recommended Usage</b>
Immunocytochemistry/Immunofluorescence (ICC/IF)	1-4 µg/ml
Flow Cytometry	1-4 µg/ml

## Properties

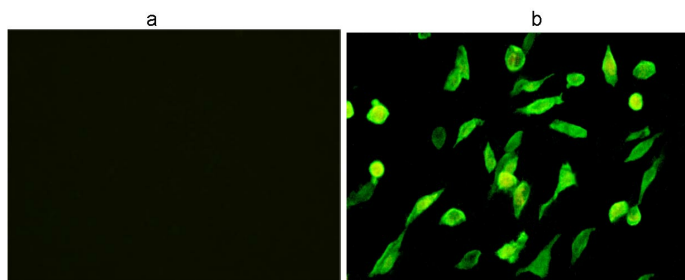
<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	lyophilized with PBS, pH 7.4, containing 10 mg/mL BSA and 0.02% sodium azide.
<b>Reconstitution</b>	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.
<b>Storage Instructions</b>	The lyophilized 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.
<b>Purification</b>	Protein A affinity column
<b>Isotype</b>	Mouse IgG1, $\kappa$

<b>Clonality</b>	Monoclonal
<b>Clone ID</b>	6G2A9

## Examples



Flow cytometric analysis of non-transfected CHO cells (Black) or His-tagged protein transfected CHO cells (Red) using **THE™ His Tag Antibody [iFluor 488], mAb, Mouse (A01800-100, 4 µg/ml)**.



Immunocytochemistry/Immunofluorescence analysis of non-transfected CHO cells (a) or His-tagged protein transfected CHO cells (b) using **THE™ His Tag Antibody [iFluor 488], mAb, Mouse (A01800-100, 4 µg/ml)**.

## Background

**Target Background :** The His tag is a short amino acid sequence consisting of Histidine (His) residues appended to recombinant proteins. Ni-charged resins are used for the purification of His-tagged proteins from eukaryotic and prokaryotic expression systems. An anti-His tag antibody is a useful tool for the analysis of His-tagged proteins. THE™ His Tag Antibody [iFluor 488], mAb, Mouse is THE™ His Tag Antibody (A00186) conjugated with iFluor 488 under optimal conditions with an F/P ratio of 4-8. It is suitable for detecting the expression level of His-tagged proteins. iFluor 488 is a bright and photostable fluorescent dye. It is an excellent alternative to Alexa Fluor 488.

**Synonyms :** THE™ His Tag Antibody [iFluor 488], mAb, Mouse; His Tag Antibody [iFluor 488], mAb, Mouse; 488 conjugated His antibody; 488 conjugated His monoclonal antibody

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