

THE™ DYKDDDDK Tag Antibody [iFluor 488], mAb, Mouse

Cat. No.: A01809

Overview

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

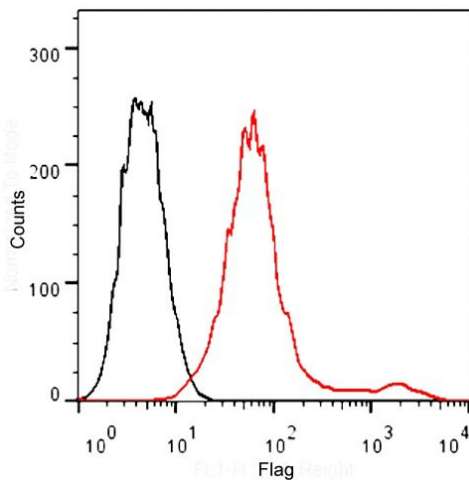
Application	Recommended Usage
Immunocytochemistry/Immunofluorescence (ICC/IF)	1-4 µg/ml
Flow Cytometry	1-4 µg/ml

Properties

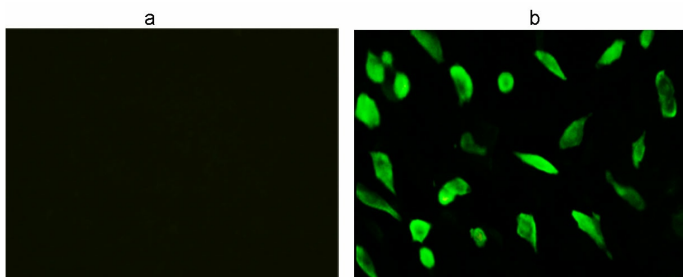
Form	Lyophilized
Storage Buffer	lyophilized with PBS, pH 7.4, containing 10 mg/mL BSA and 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.
Storage Instructions	The lyophilized product remains stable up 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.
Purification	Protein A affinity column

Isotype	Mouse IgG2b, κ
Clonality	Monoclonal
Clone ID	5A8E5

Examples



Flow cytometric analysis of non-transfected CHO cells (Black) or Flag-tagged protein transfected CHO cells (Red) using **THE™ DYKDDDDK Tag Antibody [iFluor 488], mAb, Mouse** (A01809-100, 4 μ g/ml).



Immunocytochemistry/Immunofluorescence analysis of non-transfected CHO cells (a) or Flag-tagged protein transfected CHO cells (b) using **THE™ DYKDDDDK Tag Antibody [iFluor 488], mAb, Mouse** (A01809-100, 4 μ g/ml).

Background

Target Background : The Flag tag is a polypeptide of with the amino acid sequence DYKDDDDK amino acid sequence 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-Flag tag antibody is a useful tool for the analysis of Flag-tagged proteins. THE™ DYKDDDDK Tag Antibody [iFluor 488], mAb, Mouse is THE™ DYKDDDDK Tag Antibody (A00187) conjugated with iFluor 488 under optimal conditions with an F/P ratio of 4-8. It is suitable for detecting the expression level of DYKDDDDK-tagged proteins. iFluor 488 is a bright and photostable fluorescent dye. It is an excellent alternative to Alexa Fluor 488.

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

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