

DATASHEET

Version: 2016-08-17

THE™ V5 Tag Antibody [iFluor 488], mAb, Mouse

Cat. No.: A01803-100**Size:** 100 µg**Synonyms:** THE™ V5 Tag Antibody [iFluor 488], mAb, Mouse; V5 Tag Antibody [iFluor 488], mAb, Mouse; 488 conjugated V5 antibody; 488 conjugated V5 monoclonal antibody**Description:**

The V5 tag is a polypeptide of GKPIPPLLGLDST amino acid sequence that can be added to a target protein using recombinant DNA technology. It can be fused to the N-terminus, C-terminus or inserted in an internal region of the protein to facilitate detection and purification. An anti-V5 tag antibody is a useful tool for the analysis of V5-tagged proteins.

THE™ V5 Tag Antibody [iFluor 488], mAb, Mouse is THE™ V5 Tag Antibody (A01724) conjugated with iFluor 488 under optimal conditions with an F/P ratio of 4-8. It is suitable for detecting the expression level of V5-tagged proteins. iFluor 488 is a bright and photostable fluorescent dye. It is an excellent alternative to Alexa Fluor488.

Immunogen: A synthetic peptide GKPIPPLLGLDST coupled to KLH**Host:** Mouse**Conjugation:** iFluor 488**Formulation:**

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

Ig Subclass: IgG2a, k**Specificity:** THE™ V5 Tag Antibody [iFluor 488], mAb, Mouse recognizes N-terminal, internal and C-terminal V5-tagged proteins.**Fluorescent Dye Characterization****Example**

Cat. No.	Conjugate	Ex (nm)	Em (nm)
A01803	iFluor 488	491	514
A01804	iFluor 555	559	569
A01805	iFluor 647	654	674

Purification: Protein A affinity column**Applications:**

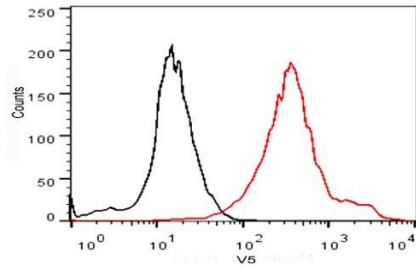
Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody 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:**

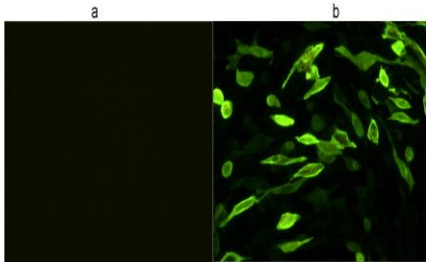
Reconstitute the lyophilized product with deionized water (or equivalent) to make antibody concentration of 0.5 mg/ml.

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 V5-tagged protein transfected CHO cells (Red) using **THE™ V5 Tag Antibody [iFluor 488], mAb, Mouse** (A01803-100, 2 µg/ml).



Immunocytochemistry/Immunofluorescence analysis of non-transfected CHO cells (a) or V5-tagged protein transfected CHO cells (b) using **THE™ V5 Tag Antibody [iFluor 488], mAb, Mouse** (A01803-100, 4 µg/ml).