

Rev05
Update: Jun,25,2023

DATASHEET

Avi Tag Antibody, mAb, Mouse

Cat. No.: A01738

Overview

Specificity	GenScript Avi Tag Antibody, mAb, Mouse recognizes C-terminal Avi tagged fusion proteins and slightly recognizes N-terminal Avi tagged fusion proteins in Western Blot.
Host Species	Mouse
Immunogen	Avi peptide conjugated to KLH
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, 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.

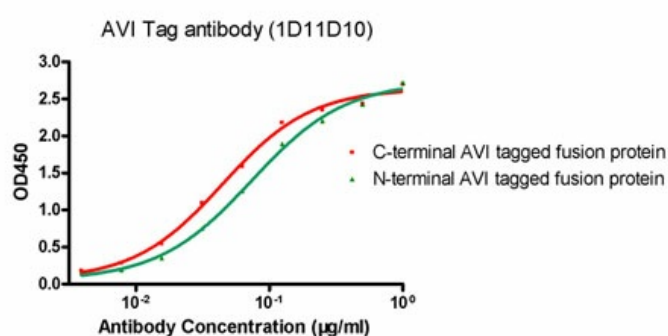
Application	Recommended Usage
Western Blot	0.2-1 µg/ml
Flow Cytometry	1-3 µg for 1×10^6 cells
Immunocytochemistry/Immunofluorescence (ICC/IF)	1-3 µg/ml
ELISA	0.02-0.05 µg/ml

Properties

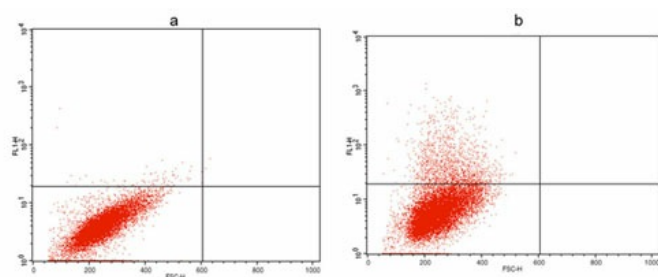
Form	Lyophilized
Storage Buffer	lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.

Storage Instructions	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.
Purification	Protein A affinity column
Isotype	Mouse IgG2a,k
Clonality	Monoclonal
Clone ID	1D11D10

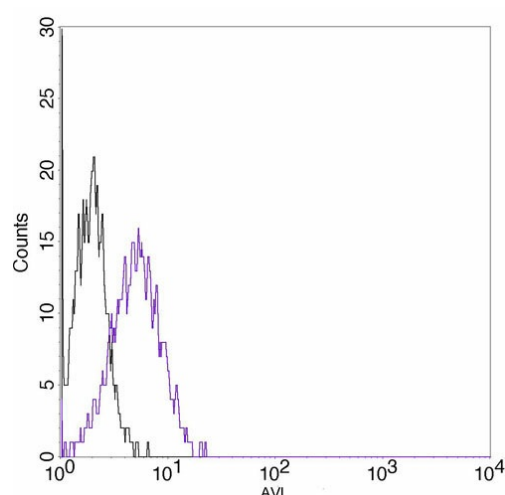
Examples



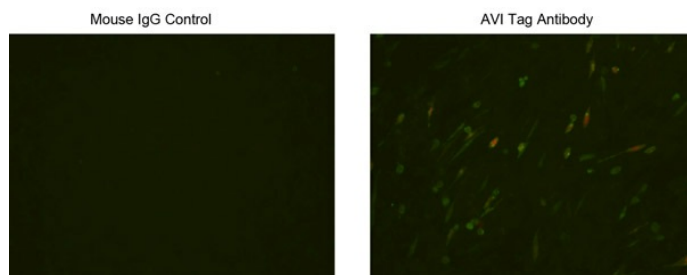
ELISA analysis of N-terminal and C-terminal Avi tagged fusion proteins using **Avi Tag Antibody, mAb, Mouse** (GenScript, A01738).



Flow cytometric analysis of non-transfected CHO cells (a) and Avi fusion protein transfected CHO cells (b) using **Avi Antibody, mAb, Mouse** (GenScript, A01738). The signal was developed with FITC conjugated Goat Anti-Mouse IgG.

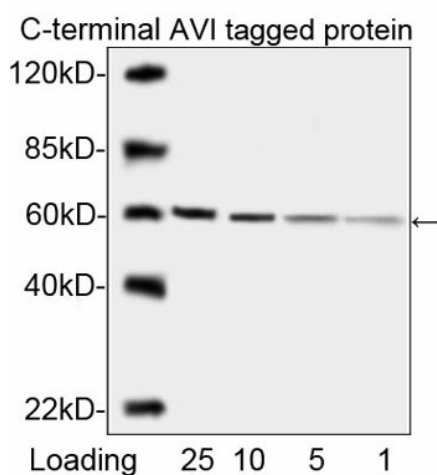


Flow cytometric analysis of non-transfected or AVI fusion gene transfected CHO cells using AVI Tag Antibody, mAb, Mouse (GenScript, A01738) (black and purple respectively). The signal was developed with FITC conjugated Goat Anti-Mouse IgG.



Immunocytochemistry/Immunofluorescence analysis of Avi tagged protein transfected CHO cells using **Avi Tag Antibody, mAb, Mouse** (GenScript, A01738) and Mouse IgG Control (GenScript, A01007).

The signal was developed with FITC conjugated Goat Anti-Mouse IgG.



Western blot analysis of C-terminal Avi tagged fusion protein using **Avi Tag Antibody, mAb, Mouse** (GenScript, A01738, 0.2 µg/ml).

The signal was developed with IRDye™ 800 Conjugated affinity Purified Goat Anti-Mouse IgG.

Background

Target Background : Avi tag is a biotin-acceptor peptide, GLNDIFEAQKIEWHE. The 15-residue peptide served as a substrate mimic for biotin ligase (BirA), which usually recognizes the much larger protein domain. Avi Tag Antibody is a useful tool in analysis of Avi fusion proteins.

Synonyms : BAP Tag antibody;

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

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