

Rev06  
Update: Nov,03,2023

**DATASHEET**

# Avi Tag Antibody, mAb, Mouse

Cat. No.: A01738

## Overview

<b>Specificity</b>	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.
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Avi peptide conjugated to KLH
<b>Conjugate</b>	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.

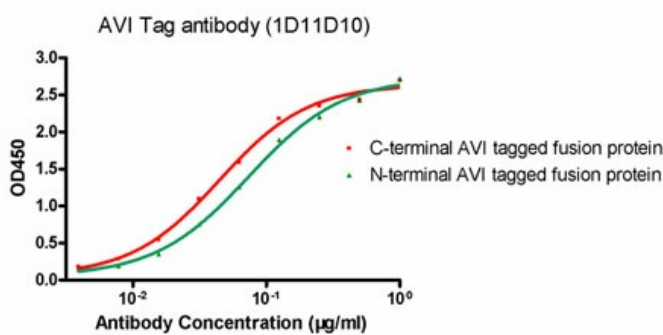
<b>Application</b>	<b>Recommended Usage</b>
Western Blot	0.2-1 µg/ml
Flow Cytometry	1-3 µg for $1 \times 10^6$ cells
Immunocytochemistry/Immunofluorescence (ICC/IF)	1-3 µg/ml
ELISA	0.02-0.05 µg/ml

## Properties

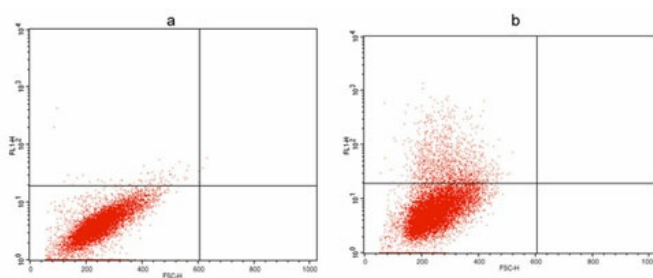
<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.
<b>Reconstitution</b>	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.

<b>Storage Instructions</b>	The lyophilized product remains stable for up to 1 year at -20 °C from the 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 IgG2a,k
<b>Clonality</b>	Monoclonal
<b>Clone ID</b>	1D11D10

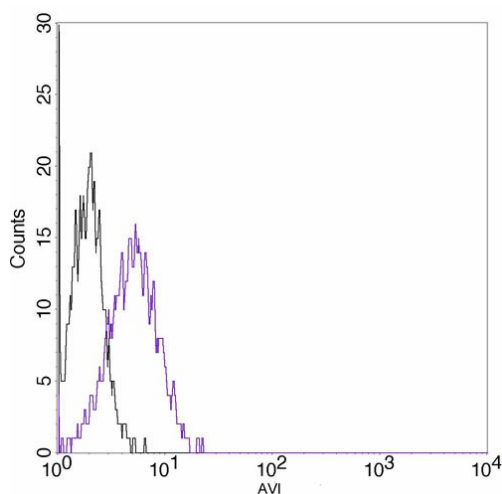
## Examples



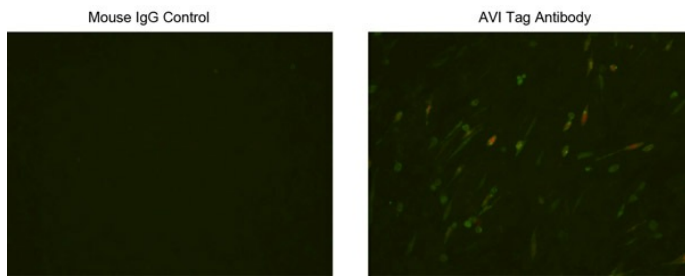
ELISA analysis of N-terminal and C-terminal Avi tagged fusion proteins using **Avi Tag Antibody, mAb, Mouse** (GenScript, A01738).



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.

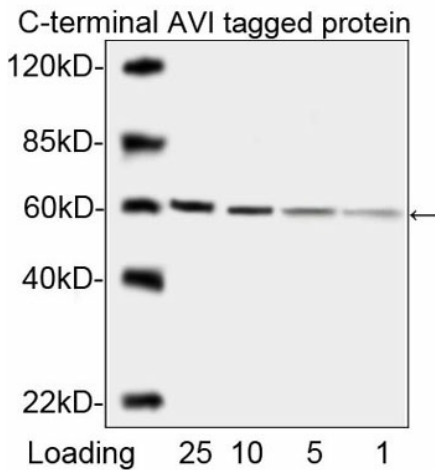


Flow cytometric analysis of non-transfected or AVI fusion gene transfected CHO cells using **Avi Tag Antibody, mAb, Mouse** (GenScript, A01738) (black and purple respectively). The signal was developed with FITC conjugated Goat Anti-Mouse IgG.



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  $\mu\text{g/ml}$ ).

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.**

生产商：南京金斯瑞生物科技有限公司 江苏省南京市江宁区科学园雍熙路28号

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