

DATASHEET

Version: 2013-09-10

Avi Tag Antibody, mAb, Mouse

Cat. No.: A01738-200

Host: Mouse

Size: 200 µg

Immunogen: Avi peptide conjugated to KLH

Ig Subclass: IgG2a,N:

Clone: 1D11D10

Purification: Protein A affinity column

Conjugation: Unconjugated

Description:

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.

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.

Fusion Partner:

fusion of SP2/0-Ag14 myeloma and mouse B-lymphocytes

Concentration:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02%

sodium azide.

Reconstitution:

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

Storage:

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.

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.

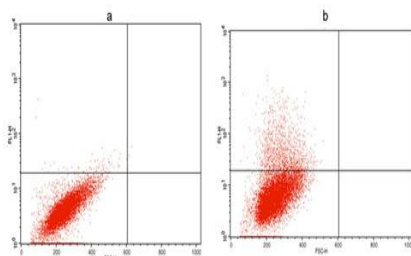
Western blot: 0.2-1 µg/ml

FACS: 1-3 µg for 1 x 10⁶ cells

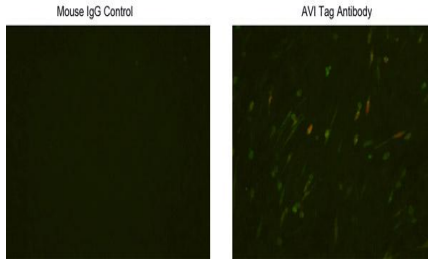
ICC/IF: 1-3 µg/ml

ELISA: 0.02-0.05 µg/ml

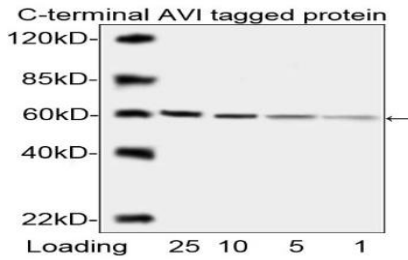
Example



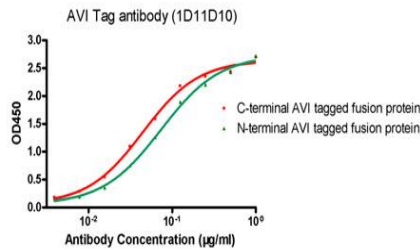
Flow cytometric analysis of non-transfected CHO cells (a) and Avi fusion protein transfected CHO cells (b) using **Avi Antibody, mAb, Mouse** (GenScript, A01738). The signal was developed with FITC conjugated Goat Anti-Mouse IgG.



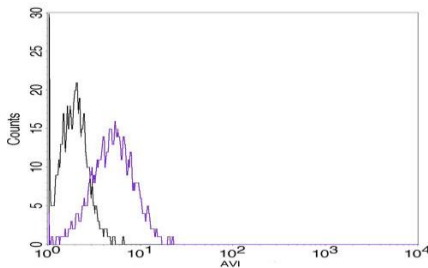
Immunocytochemistry/Immunofluorescence analysis of Avi tagged protein transfected CHO cells using **Avi Tag Antibody, mAb, Mouse** (GenScript, A01738) and Mouse IgG Control (GenScript, A01007). The signal was developed with FITC conjugated Goat Anti-Mouse IgG.



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 IRDyeTM 800 Conjugated affinity Purified Goat Anti-Mouse IgG.



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 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.