

Mouse anti V5-Tag mAb

Catalog No.: AE017

22 Publications

Basic Information

Observed MW

Refer to Figures

Calculated MW

Category

Tag antibody

Applications

WB,IP,IF/ICC,ELISA

Cross-Reactivity

Species independent

CloneNo number

AMC0506

Background

Protein tags are peptide sequences genetically grafted onto a recombinant protein. Often these tags are removable by chemical agents or by enzymatic means, such as proteolysis or intein splicing. Tags are attached to proteins for various purposes. Epitope tags are short peptide sequences which are chosen because high-affinity antibodies can be reliably produced in many different species. These are usually derived from viral genes, which explain their high immunoreactivity. Epitope tags include V5-tag, Myc-tag, HA-tag and NE-tag. These tags are particularly useful for western blotting, immunofluorescence and immunoprecipitation experiments, although they also find use in antibody purification.

Recommended Dilutions

WB 1:2000 - 1:10000**IP** 0.5 µg-4 µg antibody for
100 µg-300 µg extracts
of whole cells**IF/ICC** 1:50 - 1:200**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Immunogen Information

Gene ID

Swiss Prot

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

V5;V5 tag;V5-tag

Product Information

Source

Mouse

Isotype

IgG2b,Kappa

Purification

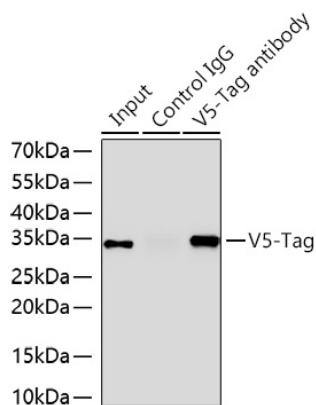
Affinity purification

Storage

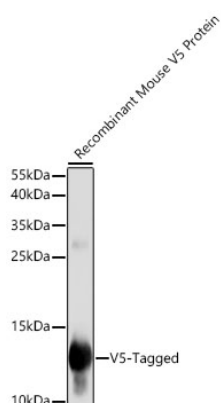
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Immunoprecipitation of V5-Tag from 150 µg extracts of 293F cells transfected with V5-Tag was performed using 0.5 µg of Mouse anti V5-Tag mAb (AE017). Mouse Control IgG (AC011) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10 % of the total input. Western blot analysis of immunoprecipitates was conducted using Rabbit anti V5-Tag mAb (AE101) at a dilution of 1:10000.



Western blot analysis of recombinant Mouse V5 protein using Mouse anti V5-Tag mAb (AE017) at dilution of 1:2000.

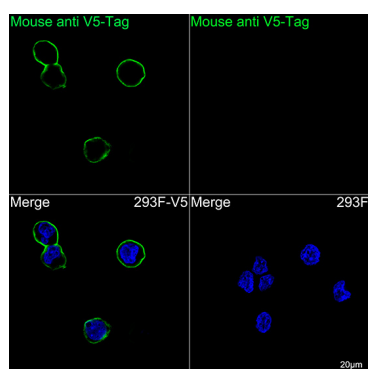
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 10ng per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Confocal imaging of 293F transfected with V5 and 293F cells using Mouse anti V5-Tag mAb (AE017, dilution 1:200) followed by a further incubation with ABflo® 488-conjugated Goat anti-Mouse IgG (H+L) (AS076, 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.