

Mouse anti V5-Tag mAb

Catalog No.: AE017

17 Publications

Basic Information

Observed MW

Refer to Figures

Calculated MW

Category

Tag antibody

Applications

WB,IF/ICC,IP,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 1:1000 - 1:5000**IF/ICC** 1:50 - 1:200**IP** 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells**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

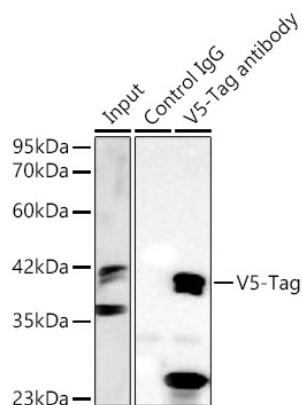
Affinity purification

Storage

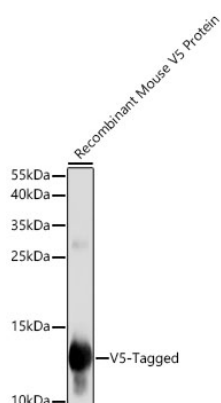
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Immunoprecipitation analysis of 300ug extracts of CHO cells using 3ug Mouse anti V5-Tag mAb antibody (AE017 1:50). Western blot was performed from the immunoprecipitate using Mouse anti V5-Tag mAb antibody (AE017) at a dilution of 1:2000.



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

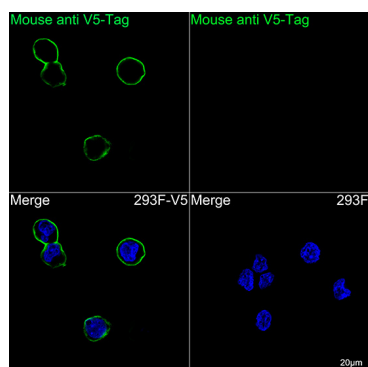
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

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.