Leader in Biomolecular Solutions for Life Science

www.abclonal.com

# Mouse anti V5-Tag mAb

**Catalog No.: AE017** **19 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. |

## Immunogen Information

**Gene ID** **Swiss Prot**

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

**Synonyms**
V5;V5 tag;V5-tag

## Contact


400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn


## Product Information

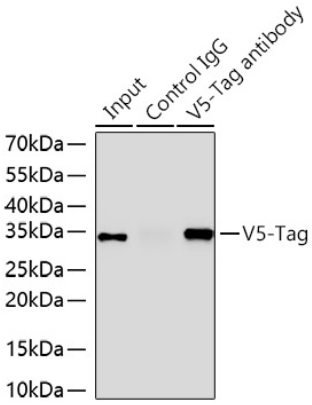
**Source**
Mouse

**Isotype**
IgG2b,Kappa

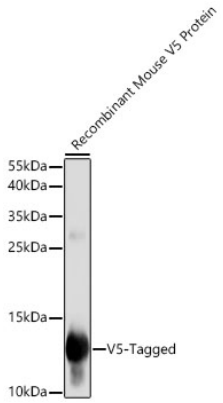
**Purification**
Affinity purification

**Storage**
Store at -20℃. 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.

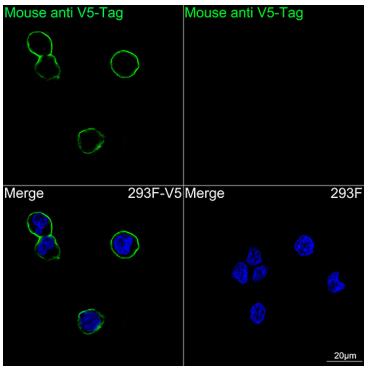
## Validation Data




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.