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## Rabbit anti V5-Tag mAb

Catalog No.: AE101

## **Basic Information**

#### **Observed MW**

Refer to figures

### **Calculated MW**

## **Category**

SMab Recombinant Monoclonal Antibody

## **Applications**

WB,IP,ELISA

## **Cross-Reactivity**

Species independent

### CloneNo number

ARC50435

## **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 - 1:20000

**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

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## **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**

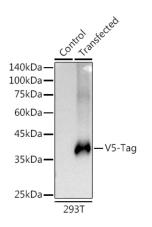
SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## **Validation Data**



Western blot analysis of extracts of normal 293T cells and 293T transfected with V5 Protein, using Rabbit anti V5-Tag mAb (AE101) at 1:20000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 ....

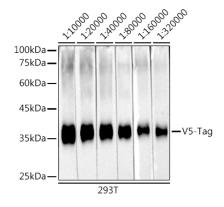
dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of lysates from 293T cells, using Rabbit anti V5-Tag mAb (AE101) at 1:10000-1:320000 dilution.

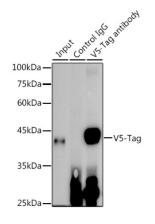
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Immunoprecipitation analysis of 300  $\mu$ g extracts of CHO-V5 cells using 3  $\mu$ g Rabbit anti V5-Tag antibody (AE101). Western blot was performed from the immunoprecipitate using Rabbit anti V5-Tag antibody (AE101) at a dilution of 1:5000.