AE101

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Rabbit anti V5-Tag mAb

Catalog No.: AE101 1 Publications

Basic Information

Observed MW
Refer to figures

Calculated MW

Category
Monoclonal Antibody

Applications
WB,IP,ELISA

Cross-Reactivity
Species independent

Clone 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	1:8000 - 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.

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
Rabbit

Isotype
IgG

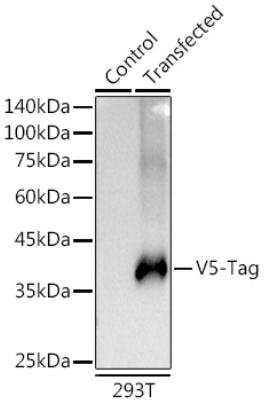
Purification
Affinity purification

Storage
Store at -20℃

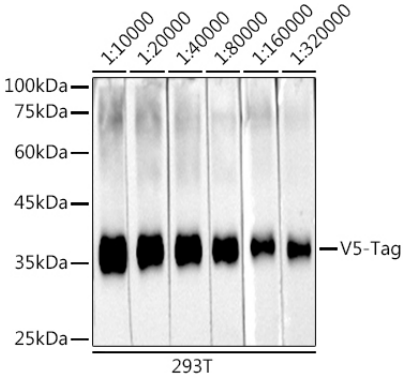
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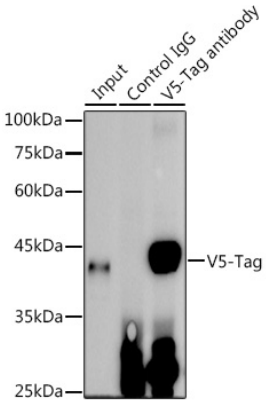
Validation Data



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 µg extracts of CHO-V5 cells using 3 µg 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.