

Magnetic Beads-conjugated Mouse anti DDDDK-Tag mAb

Catalog No.: AE037 **6 Publications**

Basic Information

Observed MW

50kDa/48kDa

Calculated MW

Category

Tag antibody

Applications

IP

Cross-Reactivity

Species independent

CloneNo number

AMC0515

Conjugate

Magnetic Beads

Recommended Dilutions

IP 30ul antibody (bead slurry) for 200µg-400µg extracts of whole cells

Background

FLAG-tag, or FLAG octapeptide, or FLAG epitope, is a polypeptide protein tag that can be added to a protein using recombinant DNA technology, having the sequence motif DYKDDDDK. It has been used for studying proteins in living cells and for protein purification by affinity chromatography. It has been used to separate recombinant, overexpressed protein from wild-type protein expressed by the host organism. It can also be used in the isolation of protein complexes with multiple subunits, because its mild purification procedure tends not to disrupt such complexes. It has been used to obtain proteins of sufficient purity and quality to carry out 3D structure determination by x-ray crystallography. A FLAG-tag can be used in many different assays that require recognition by an antibody. If there is no antibody against a given protein, adding a FLAG-tag to a protein allows the protein to be studied with an antibody against the FLAG sequence. Examples are cellular localization studies by immunofluorescence or detection by SDS PAGE protein electrophoresis and Western blotting.

Immunogen Information

Gene ID

Swiss Prot

Immunogen

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

Synonyms

DDDDK;DDDDK tag;DDDDK-tag

Contact

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Product Information

Source

Mouse

Isotype

IgG1

Purification

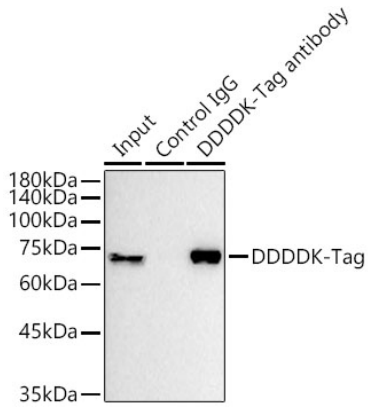
Affinity purification

Storage

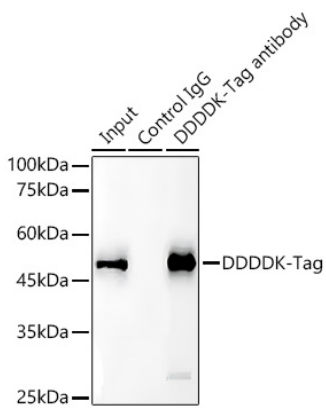
Store at 4°C Avoid freeze / thaw cycles.

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

Validation Data



Immunoprecipitation analysis of 600ug extract cell lysate from 293T transfected with SERPINB1 expression vector containing a N-terminal DDDDK-Tag (1x) with 30ul Magnetic Beads-conjugated Mouse anti DDDDK-Tag antibody (AE037). Magnetic Beads-conjugated mouse IgG isotype control pAb (AC044N) was used as a negative control. Western blot was performed from the immunoprecipitate using Rabbit anti DDDDK-Tag mAb antibody (AE092) at 1:5000 dilution.



Immunoprecipitation analysis of 300 ug extract cell lysate from 293T cells transfected with GSK3B expression vector containing a C-terminal DDDDK-Tag (1x) with 30uL Magnetic Beads-conjugated Mouse anti DDDDK-tag mAb antibody (AE037). Magnetic Beads-conjugated mouse IgG isotype control pAb (AC044N) was used as a negative control. Western blot was performed from the immunoprecipitate using Rabbit anti DDDDK-Tag mAb antibody (AE092) at 1:10000 dilution.