

Magnetic Beads-conjugated Mouse anti DDDDK-Tag mAb

Catalog No.: AE130

Basic Information

Observed MW

70kDa (Full-lenth SERPINB1)/35kDa (Full-lenth MYF6)/

Calculated MW

Category

Tag antibody

Applications

IP

Cross-Reactivity

Species independent

CloneNo number

AMC0382-Beads

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

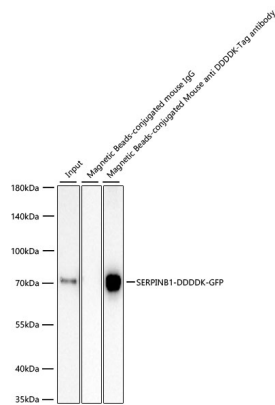
Affinity purification

Storage

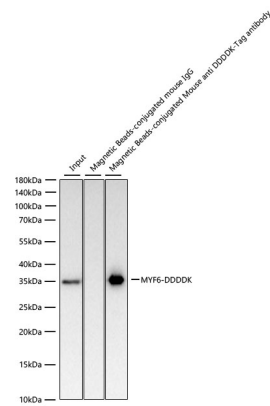
Store at 4°C. Avoid freeze / thaw cycles.

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

Validation Data



Immunoprecipitation of SERPINB1-DDDDK-GFP from 200 µg extracts of 293T cells transfected with a SERPINB1 expression vector containing a single N-terminal DDDDK-Tag with GFP was performed using 20 µl of Magnetic Beads-conjugated Mouse anti DDDDK-Tag mAb (AE130). Magnetic Beads-conjugated Mouse Control IgG pAb 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 DDDDK-Tag (AE092) at a dilution of 1:5000.



Immunoprecipitation of MYF6-DDDDK-Tag from 300 µg extracts of 293T cells transfected with a MYF6 expression vector containing a single C-terminal DDDDK-Tag was performed using 20 µl of Magnetic Beads-conjugated Mouse anti DDDDK-Tag mAb (AE130). Magnetic Beads-conjugated Mouse Control IgG pAb 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 DDDDK-Tag (AE092) at a dilution of 1:5000.