

HRP-conjugated Mouse anti DDDDK-Tag mAb

Catalog No.: AE024 **9 Publications**

Basic Information

Observed MW

50kDa/46kDa/48kDa

Calculated MW

Category

Tag antibody

Applications

ELISA, WB

Cross-Reactivity

Species independent

CloneNo number

AMC0382-HRP

Conjugate

HRP

Recommended Dilutions

WB 1:500 - 1:6000

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

A synthetic peptide corresponding to DDDDK tag.

Synonyms

DDDDK; DDDDK tag; DDDDK-tag

Contact

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Product Information

Source

Mouse

Isotype

IgG1, Kappa

Purification

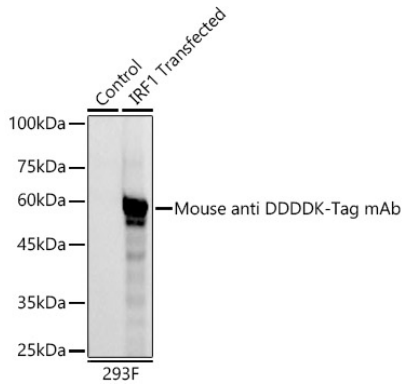
Affinity purification

Storage

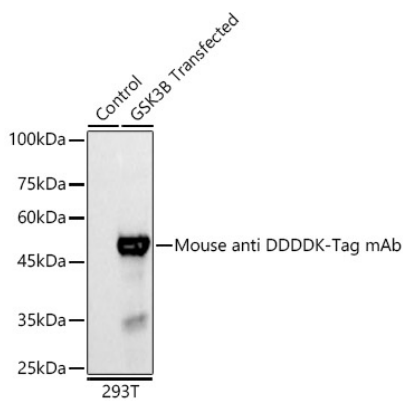
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3

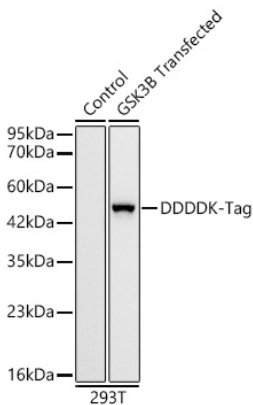
Validation Data



Western blot analysis of lysates from 293F cells transfected with IRF1-Flag protein, using HRP-conjugated Mouse anti DDDDK-Tag mAb (AE024) at 1:5000 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 transfected with GSK3B-Flag protein using HRP-conjugated Mouse anti DDDDK-Tag mAb (AE024) at 1:5000 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 wild type (WT) and 293T cells transfected with GSK3B using HRP-conjugated Mouse anti DDDDK-Tag mAb(AE024) at 1:1000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 0.1s.