

Magnetic Beads-conjugated anti-DDDDK tag VHH Single Domain antibody

Catalog No.: AE126

Basic Information

Observed MW

35kDa/48kDa

Calculated MW

Category

Tag antibody

Applications

IP

Cross-Reactivity

Conjugate

Magnetic Beads

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.

Recommended Dilutions

IP 30µl-50µl Magnetic
Beads for 100µg-300µg
extracts of whole cells

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

Alpaca

Isotype

VHH

Purification

Affinity purification

Storage

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

Buffer: 0.03% sodium azide, 20% ethanol

Validation Data

Immunoprecipitation of GSK3B-Flag in 200 µg extracts from 293T cells transfected with GSK3B-Flag using 40 µl Anti-DDDK (Nanobody) Magnetic Beads mAb (AE126). Western blot analysis was performed using HRP-conjugated Rabbit anti DDDDK-Tag mAb (AE095) at 1:5000 dilution.

