Leader in Biomolecular Solutions for Life Science

APC Rabbit anti DDDDK-Tag mAb

Catalog No.: A27404

Recombinant

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Basic Information

Observed MW
56kDa/50kDa/46kDa/68kDa

Calculated MW

Category
Monoclonal Antibodies

Applications
FC (intra)

Cross Reactivity
Species independent

Clone No.
ARC5111

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

FC (intra)	5 µl per 10^6 cells in 100 µl volume

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

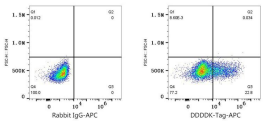
Source
Rabbit

Isotype
IgG

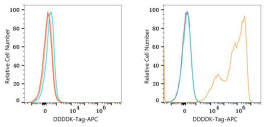
Purity
Affinity purification

Storage
Store at 2-8℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

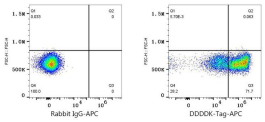
Validation Data



Flow cytometry: 1X10^6 293T (Transfection) cells were intracellularly-stained with APC Rabbit IgG isotype control (A24173,5 µl/Test,left) or APC Rabbit anti DDDDK-Tag mAb (A27404,5 µl/Test,right).



Flow cytometry: 1X10^6 293T cells (negative control,left) and 293T (Transfection, right) cells were surface-stained with APC Rabbit anti DDDDK-Tag mAb (A27404,5 µl /Test,orange line) or APC Rabbit IgG isotype control (A24173,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 293T (Transfection) cells were surface-stained with APC Rabbit IgG isotype control (A24173,5 µl/Test,left) or APC Rabbit anti DDDDK-Tag mAb (A27404,5 µl/Test,right).