

For Research Use Only

DDDDK tag Monoclonal antibody (Binds to FLAG® tag epitope)



Catalog Number: 60002-1-Ig **11 Publications**

Basic Information

Catalog Number: 60002-1-Ig	GenBank Accession Number: GeneID (NCBI):	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Bradford method using BSA as the standard;	Full Name:	CloneNo.: 1C1D2
Source: Mouse		Recommended Dilutions: WB 1:2000-1:16000 IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB
Isotype: IgG2b		

Applications

Tested Applications: IP, WB, ELISA	Positive Controls:
Cited Applications: IP, WB	WB : Recombinant Protein,
Species Specificity: recombinant protein	IP : Recombinant protein protein,
Cited Species: human	

Background Information

Protein tags are protein or peptide sequences located either on the C- or N- terminal of the target protein, which facilitates one or several of the following characteristics: solubility, detection, purification, localization and expression. The DYKDDDDK(FLAG) peptide has been used extensively as a general tag in expression vectors. This peptide can be expressed and detected with the protein of interest as an amino-terminal or carboxy-terminal fusion. N-terminal DDDDK vectors provide an Ek cleavage site for removal of the fusion tag. The DDDDK peptide is likely to be located on the surface of a fusion protein because of its hydrophilic nature. As a result, the DDDDK peptide is more likely to be accessible to antibodies. A DDDDK-tag can be used in many different assays that require recognition by an antibody, such as western blotting, immunocytochemistry, immunoprecipitation, flow cytometry, protein purification, and in the study of protein-protein interactions, cell ultrastructure, and protein localization and so on. This antibody is a mouse monoclonal antibody raised against 3xFlag (3x DYKDDDDK) sequence and recognizes the (3x)DYKDDDDK peptide and detects DDDDK-tagged proteins.

Notable Publications

Author	Pubmed ID	Journal	Application
S Prpar Mihevc	27665936	Sci Rep	
Jun Kang	33148796	J Virol	WB
Xiang Rong R	19521671	Mol Cell Biochem	WB,IP

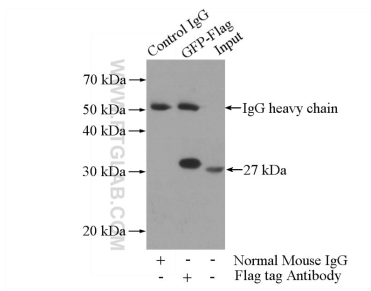
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



IP Result of anti-DDDDK tag (IP:60002-1-Ig, 3ug;
Detection:20543-1-AP 1:2000) with Recombinant
protein protein lysate 1280ug.