

For Research Use Only

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



Catalog Number: 60002-1-Ig **12 Publications**

## Basic Information

**Catalog Number:**

60002-1-Ig

**Size:**

150ul , Concentration: 700 µg/ml by Bradford method using BSA as the standard;

**Source:**

Mouse

**Isotype:**

IgG2b

**GenBank Accession Number:**

GeneID (NCBI):

Full Name:

**Purification Method:**

Antigen affinity purification

CloneNo.:

1C1D2

**Recommended Dilutions:**

WB 1:2000-1:16000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

WB, IP, ELISA

**Cited Applications:**

WB, IP

**Species Specificity:**

recombinant protein

**Positive Controls:**

WB : Recombinant Protein,

IP : Recombinant protein protein,

## 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

**\*\*\* 20ul sizes contain 0.1% BSA**

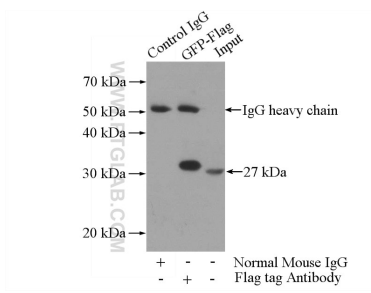
For technical support and original validation data for this product please contact:

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**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.