

For Research Use Only

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



Catalog Number: 60002-1-Ig **13 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):

8

Full Name:

Flag Tag

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 (3xDYKDDDDKT) 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

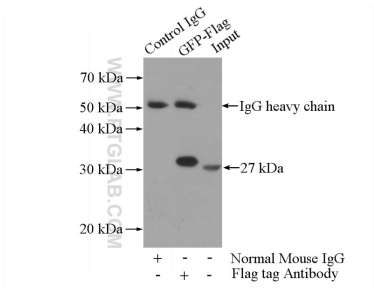
For technical support and original validation data for this product please contact:

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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.