Flag-Tag Mouse Monoclonal Antibody(2C5)

Catalog	TDY001C	TDY001F
Quantity	50μL	100μL

Tel：010-82908854
Free：400-0620-621
Web：www.tdybio.com

For research use only.

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB, IP, IF	**N/A**	**N/A**	**IgG1**

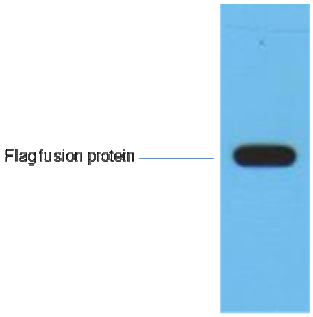
Storage Buffer & Condition: PBS, pH 7.4, containing 0.02% ***sodium azide*** as Preservative and 50% Glycerol. Store at ***-20°C***. ***Do not aliquot the antibody***.

Recommended dilutions: **WB: 1:5,000 IP: 1:200 IF: 1:2000**

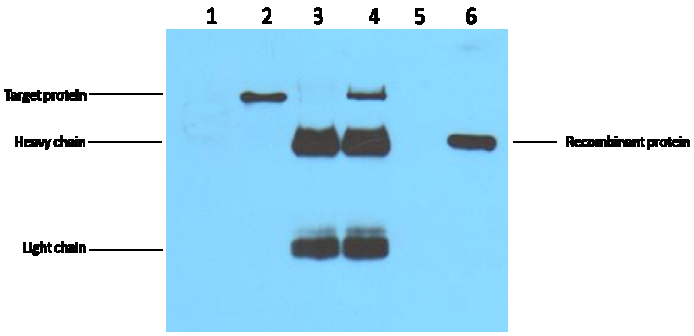
Optimal dilutions should be determined by the end user.

Specificity: The Flag tag antibody can recognize C-terminal, internal, and N-terminal Flag-tag fusion proteins.

Background: The DYKDDDDK peptide (Flag-tag) is a small component of an epitope which does not appear to interfere with the bioactivity or the biodistribution of the recombinant protein. It has been used extensively as a general epitope tag in expression vectors. It can be used for affinity chromatography, then 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.A Flag-tag can be used in many different assays that require recognition by an antibody. If there is no antibody against the studied protein, adding a Flag-tag to this protein allows one to follow the protein with an antibody against the Flag sequence.



1ug Flag fusion protein+ Primary antibody dilution at 1:10,000



IP antibody use：5ug Flag Mouse IgG1 per ml Lysate，WB 1:5000

1、untransfected 293 cell lysate

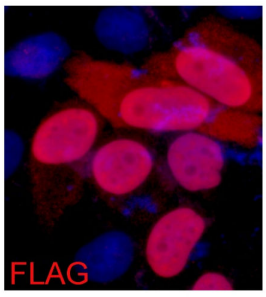
2、transfected 293 cell lysate with Flag-tag fusion protein

3、IP (transfected 293+ normal Mouse IgG+Protein G agarose)

4、IP (transfected 293+anti- Flag mAb+ Protein G agarose)

5、IP (transfected 293+Protein G)

6、Recombinant protein (E.coli)



IF analysis of 293 cells transfected with a Flag-tag protein, using TDYbio anti-FlagTag Mouse mAb at a 1:2000 dilution (blue DAPI, red anti-Flag)

Applications: ***WB-Western blot IHC-Immunochemistry IF-Immunofluorescence IP-Immunoprecipitation ChIP-Chormatin Immunoprecipitation***
Reactivity: ***H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig***