

## Flag-Tag Mouse Monoclonal Antibody(2C5)

Catalog	PMK001M	PMK001S
Quantity	50 $\mu$ L	100 $\mu$ L

For research use only.

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

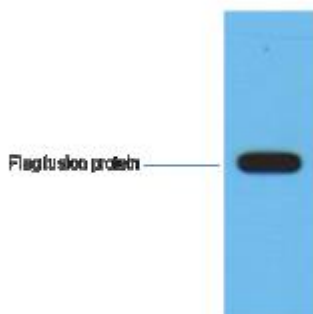
**Storage Buffer & Condition:** PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol. Store at -20°C. Do not aliquot the antibody.

**Recommended dilutions:** WB: 1:5,000 IP: 1:200 IF: 1:1000

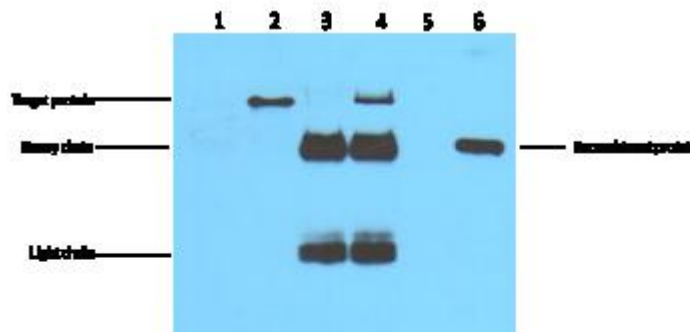
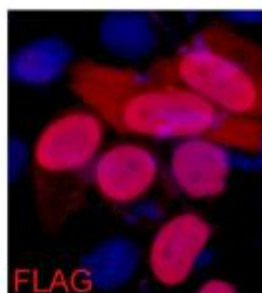
**Optimal dilutions should be determined by the end user.**

**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.



1 $\mu$ g Flag fusion protein+ Primary antibody dilution at 1:10,000



IP antibody use: 5 $\mu$ g 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 PMKbio anti-FlagTag Mouse mAb at a 1:2000 dilution (blue DAPI, red anti-Flag)

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