

## Flag-Tag Mouse Monoclonal Antibody (FG4R)

**CATALOG NUMBER:** C1305

**QUANTITY:** 100 $\mu$ L

**DESCRIPTION:** 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, 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.

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

**ISOTYPE:** IgG1

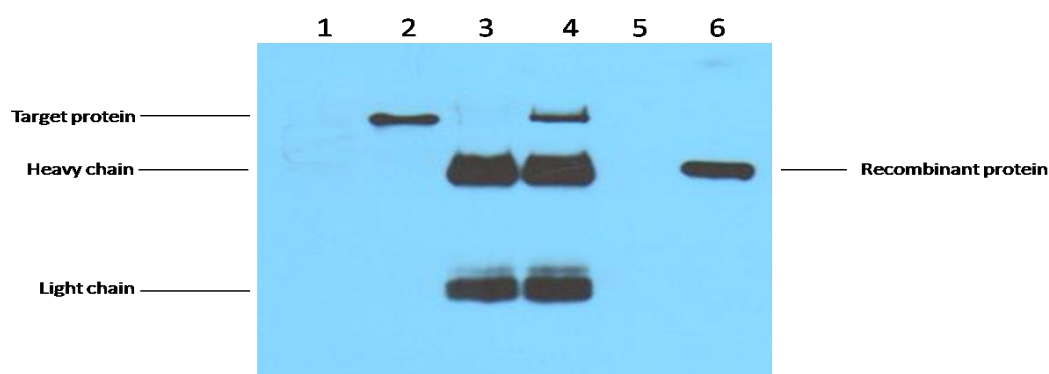
**TESTED APPLICATIONS:** Western Blot, Immunoprecipitation, Immunofluorescence  
IP ELISA

**APPLICATIONS:** Western blot: 1:1,000-1:8,000  
Immunoprecipitation or immunostaining: 1:500-1: 2,000  
ELISA on recombinant proteins: 1:500-1:2,000

**\*NOTE:** Optimal working dilutions must be determined by the end user

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

### Immunoprecipitation:



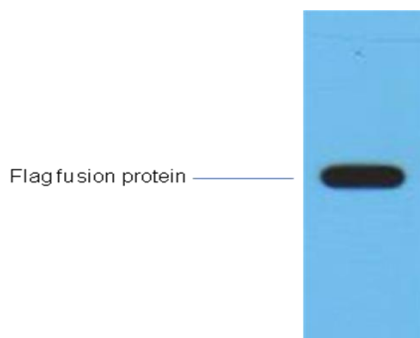
IP antibody use: 5 $\mu$ g Flag Mouse IgG1 per ml Lysate, WB 1:5000

- 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)

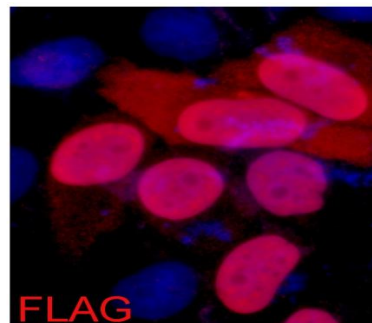
6、Recombinant protein (*E.coli*)

### Western Blot



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

### Immunofluorescence



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

***For research use only; not for use as a diagnostic.***

**Important Note:** The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Nothing disclosed herein is to be construed as a recommendation to use this product in violation of any patents. The information presented above is believed to be accurate. However, information and product are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. We cannot be responsible for patent infringements or other violations that may occur with the use of this product. No claims beyond replacement of unacceptable material or refund of purchase price shall be allowed.