



ELK Biotechnology

Flag-Tag Mouse mAb

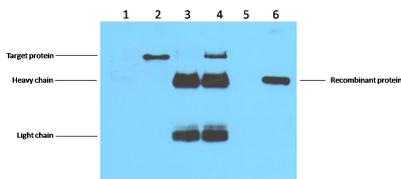
Catalog NO.: EM1000

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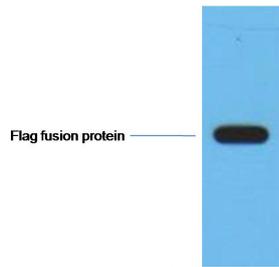
Overview

Product name	Flag-Tag Mouse Monoclonal antibody
Source	Mouse
Applications	WB IP IF
Species reactivity	N/A
Recommended dilutions	WesternBlot:1/5000 Immunoprecipitation:1/200 Immunofluorescence:1/2000 NOTE: Optimal dilutions should be determined by the end user.
Immunogen	Synthetic Peptide
Species	N/A
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	N/A
GeneID (Human)	N/A
Human Swiss-Prot No.	N/A
Cellular localization	N/A
Alternative Names	N/A
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

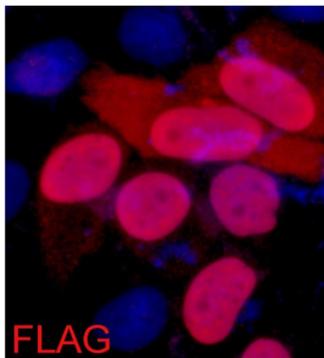
of protein complexes with multiple subunits. A Flag-tag can be used in many different assays that require recognition by an antibody. If there is no antibody against the studied protein adding a Flag-tag to this protein allows one to follow the protein with an antibody against the Flag sequence.



IP antibody use : 5ug Flag Mouse IgG1 per ml Lysate WB:5000 、 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)



1ug Flag fusion protein+ Primary antibody dilution at:10000.



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