Flag-Tag Mouse Monoclonal Antibody

Catalog No: #T519

Package Size: #T519-1 50ul #T519-2 100ul

Orders: order@signalwayantibody.com
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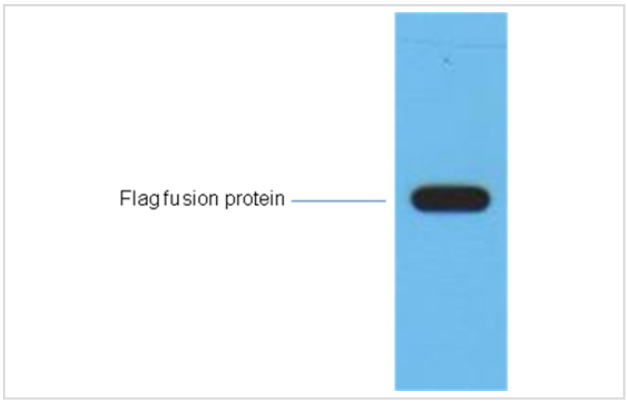
Description

Product Name	Flag-Tag Mouse Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Purification	Protein A purified
Applications	WB;ELISA;IP;IF;CoIP
Species Reactivity	Species independent
Specificity	This recombinant antibody can highly specifically recognize the Flag tags of C-terminal and N-terminal of recombinant protein. Variable region gene of this antibody comes from the mouse gene library immunized with DDDK peptide. Constant region of this antibody is mouse IgG1 and mouse kappa.
Conjugates	Unconjugated
Target Name	Flag-Tag
Other Names	Flag tag;Flag-tag;DDDDK TAG;DDDDK-TAG;DYKDDDDK tag;DYKDDDDK-tag
Formulation	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C/1 year

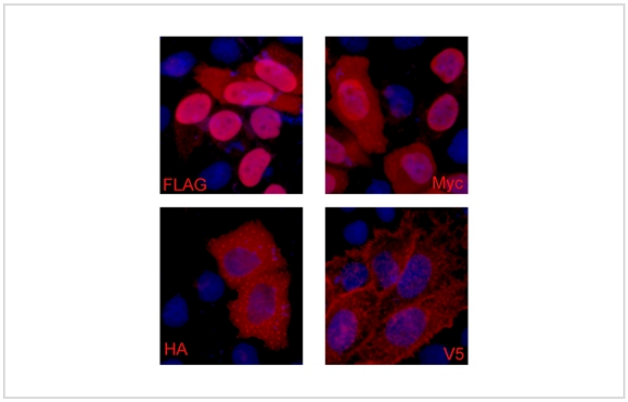
Application Details

WB 1:10000-1:50000; ELISA 1:20000-1:50000; IP 1:50-1:200; IF 1:1000-1:3000

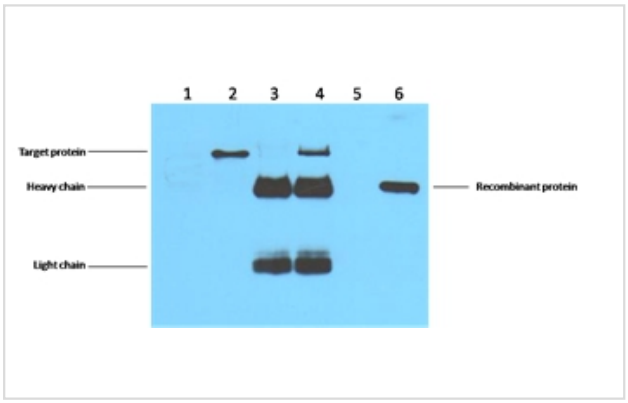
Images



1ug Flag fusion protein+ Primary antibody #T519 dilution at 1:10,000.



IF analysis of 293 cells transfected with a Flag-tag protein, using anti-Flag-Tag Mouse mAb #T519 at a 1:2000 dilution (blue DAPI, red anti-Flag).



IP antibody useB£B'l5ug Flag Mouse IgG1 per ml
LysateB£B¬WB 1:5000
1B'B'untransfected 293 cell lysate
2B'B'transfected 293 cell lysate with Flag-tag fusion protein
3B'B'IP (transfected 293+ normal Mouse IgG+Protein G agarose)
4B'B'IP (transfected 293+anti- Flag mAb+ Protein G agarose)
5B'B'IP (transfected 293+Protein G)
6B'B'Recombinant protein (E.coli).

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.

Published Papers

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