Flag-Tag Mouse Monoclonal Antibody

Catalog No: #T519

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

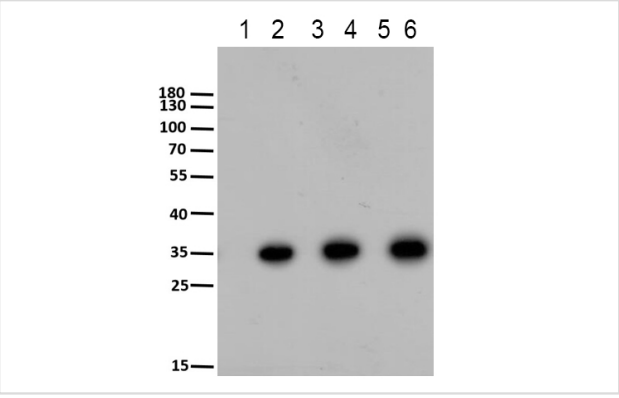
Description

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

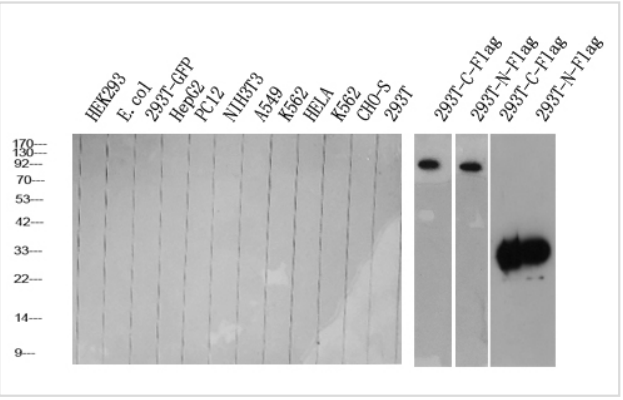
Application Details

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

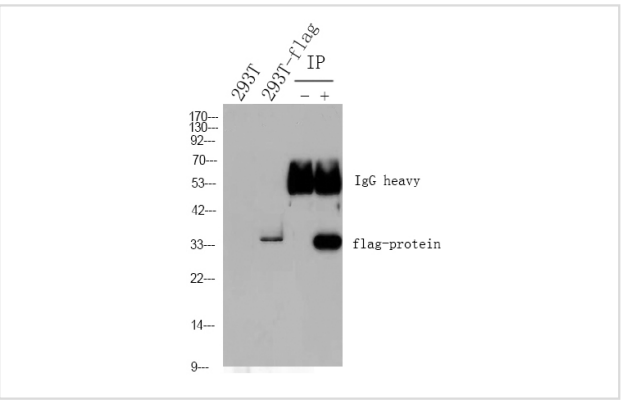
Images



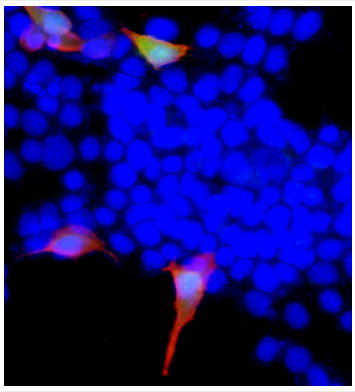
Western Blot analysis of 293F cells transfected or non-tansfected Flag-Tag expression vector by primary antibody at 1:10000 dilution. Lane 1 3 5: 293F cell lysis. Lane 2 4 6: tansfected Flag-Tag expression vector. Secondary antibody was diluted at 1:10000



Western Blot analysis of various cells using primary antibody at 1:10000 dilution. Secondary antibody was diluted at 1:10000



1) Input: 293T transfected N-flag protein Lysate 2) IP product: IP dilute 1: 200, 293T transfected N-flag protein Lysate Western blot analysis: primary antibody : 1:10000 Secondary antibody: Goat anti-Mouse IgG, 1: 5000



Immunofluorescence analysis of 293T transfected FLAG and GFP tag protein. 1, FLAG primary Antibody was diluted at 1:1000(4°C overnight), GFP primary Antibody was diluted at 1:1000(4°C overnight)

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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PMID:31130467

Note: This product is for in vitro research use only and is not intended for use in humans or animals.