Anti-Flag Tag Monoclonal Antibody

Catalog No.	Size
E022060-01	100µl
E022060-02	500µl
E022060-03	50µl

Product Name	Anti-Flag Tag Monoclonal Antibody
Product type	Tag Antibody
Application	WB ICC/IF IP
Description	Mouse Monoclonal to Flag tag antibody
Immunogen	A synthetic peptide (DYKDDDDK) coupled to KLH
Specificity	Recognizes over-expressed proteins containing Flag epitope tag fused to either amino- or carboxy-termini of targeted proteins in transfected mammalian cells.

Background Information

Flag tag (also known as DDDDK tag or Anti-D tag) is a polypeptide protein tag that can be added to a protein using Recombinant DNA technology. 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. The peptide sequence of the Flag tag is as follows: N-DYKDDDDK-C (1012 Da). It can be used in conjunction with other affinity tags for example a polyhistidine tag (His-tag), HA-tag or myc-tag. It can be fused to the C-terminus or the N-terminus of a protein. A Flag tag can be used in many different assays that require recognition by an antibody. Flag antibodies recognize the epitope in certain positions, e.g. exclusively N-terminal or position-insensitive.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. Suggested starting dilutions are as follows: Western Blot (1:1000-1:10,000), Immunoprecipitation and Immunofluorescence(1:200-800)

Host

Mouse

Clonality

N/A

Storage Buffer

PBS, pH 7.4 with 0.05% sodium azide, 50% Glycerol.

Form

Liquid, 1.000mg/ml

Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images

Western blot analysis of 293 cells transfected with Flag tagged vector at different concentrations of Anti-Flag tag antibody from highest concentration (0.5µg/ml, lane 1) to lowest concentration (0.1µg/ml, lane 4).