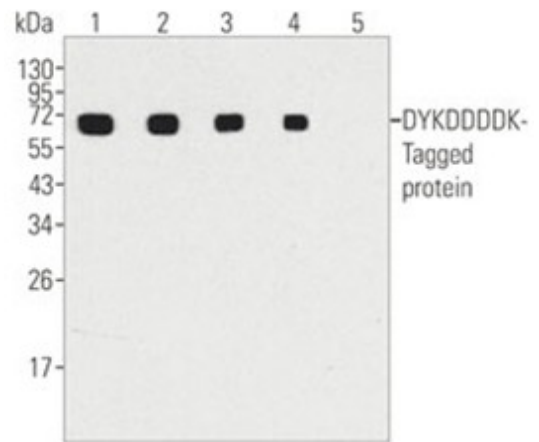


Monoclonal Antibody to DYKDDDDK Epitope Tag - Aff - Purified

Alternate names:	D-tag, ECS Epitope Tag, ECS-tag, FLAG Epitope Tag, FLAG-tag
Catalog No.:	AM20780PU-N
Quantity:	0.1 ml
Concentration:	1 mg/ml
Background:	Epitope tags are useful for the labeling and detection of proteins using Immunoblotting, Immunoprecipitation and immunostaining techniques. Due to their small size, they are unlikely to affect the tagged protein's biochemical properties. The DYKDDDDK peptide has been used extensively as a general epitope tag in expression vectors. This peptide can be expressed and detected with the protein of interest as an amino-terminal or carboxy-terminal fusion.
Host / Isotype:	Mouse / IgG2b
Clone:	3B9
Immunogen:	This monoclonal antibody is produced by immunizing animals with a synthetic DYKDDDDK peptide (KLH-coupled).
Format:	State: Liquid purified Ig fraction Buffer System: PBS, pH 7.2 Preservatives: 0.05% Sodium Azide
Applications:	ELISA: 1/2000. Western blot: 1/5000, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1 TBS, 0.05% Tween-20 at 4°C with gentle shaking, overnight. Immunofluorescence: 1/1000. Immunoprecipitation: 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects exogenously expressed DYKDDDDK proteins in cells. Use an anti-Mouse secondary antibody to detect the 3B9 antibody
Species Reactivity:	Tested: Human, Mouse, Rat.
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Brizzard BL, Chubet RG, Vizard DL. Immunoaffinity purification of FLAG epitope-tagged bacterial alkaline phosphatase using a novel monoclonal antibody and peptide elution. Biotechniques. 1994 Apr;16(4):730-5. PubMed PMID: 8024796.

Pictures:

Western blot analysis of over-expressed DYKDDDDK-tagged protein in 293T cell lysate, using DYKDDDDK-Tag (3B9) Mouse mAb.



Immunoprecipitation Image: Lane 1: 293T cell lysate transfected with DYKDDDDK-tag protein. Lane 2: Mock transfected 293T cell lysate.

