

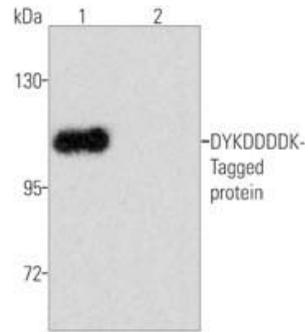
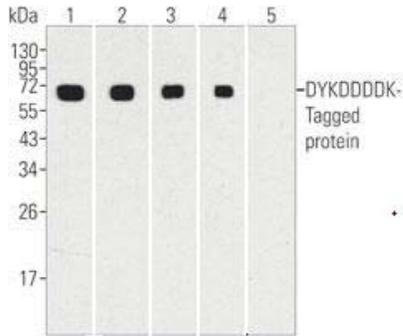
DYKDDDDK-Tag Antibody (Monoclonal)

Catalog Number:	1006-M1-DYK
Product Specification:	DYKDDDDK -Tag Antibody
Size:	100 µg
Type:	Monoclonal
Sub- Type:	Epitope Tag Antibody
Specificity:	Binds DYKDDDDK -tag wherever it is located in the fusion protein: amino-terminal, Met-amino-terminal, carboxy-terminal, or internal.
Host Species:	Mouse
Species Cross-reactivity:	All
Immunogen:	DYKDDDDK Peptide. KLH coupled
Isotype:	IgG1
Clone Number:	3B9
Western Blot:	1: 5000
Immuno-fluorescence:	1: 1000
Immuno-precipitation:	1: 100
ELISA:	1:2000
Flow Cytometry:	Assay dependent
Storage:	-20°C in aliquots. Freeze-thaw cycles must be avoided once the stock aliquot is diluted.
Form:	Liquid
Secondary Antibody:	Use anti-mouse IgG raised in rabbit, goat or donkey

Product 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.

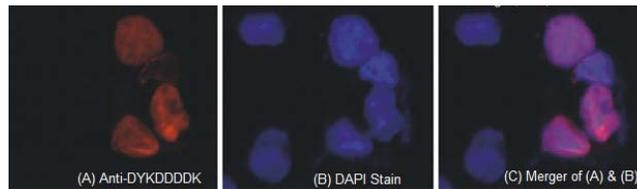
References: Brizzard, B. L. et al. 1994. Immunoaffinity purification of FLAG epitope-tagged bacterial alkaline phosphatase using a novel monoclonal antibody and peptide elution. *Biotechniques* 16, 730-735

Applications:



WB analysis of over-expressed DYKDDDDK -tagged protein in 293T cell lysate (Blots 1-4) and mock transfected (Blot-5) cell lysates. Blotting was done using Alamolabs' DYKDDDDK -tag Mouse mAb (**Cat# 1006-M1-DYK**) at following dilutions: Blot-1 (1:2,000), Blot-2 (1:5,000), Blot-3 (1:10,000), Blot-4 (1:20,000) and Blot-5 (1:5,000). Protein load: 2 µg of cell lysate/lane in each blot.

Immunoprecipitation (IP) of extracts from 293T cells transfected (Lane 1) with a DYKDDDDK-tagged protein and a mock transfection (Lane 2, using the same protein without the tag), using DYKDDDDK-Tag Mouse mAb (**Cat# 1006-M1-DYK**) and probed on Western blot using the same antibody. **IP** Antibody Dilution was 1:100 (Lanes 1 & 2).



Immunofluorescence (IF) Analysis of 293T cells transfected (left) with a DYKDDDDK-tagged protein using DYKDDDDK-Tag Mouse mAb (**Cat# 1006-M1-DYK**) at a 1:1000 dilution.

Related Products:

- 1001-A1-His His-Tag: Antibody (Rabbit Polyclonal) Aff Pure
- 1001-M1-HIS His-Tag: Antibody (Mouse Monoclonal)
- 1002-M1-MYC Myc-Tag: Antibody (Mouse Monoclonal)
- 1003-M1-GST GST-Tag (Glutathione-S-transferase): Antibody (Mouse Monoclonal)
- 1004-M1-HA HA-Tag (Influenza Hemagglutinin (HA) Peptide (YPYDVPDYA): Antibody (Mouse Monoclonal)
- 1005-M1-GFP GFP-Tag (Green Fluorescent Protein): Antibody (Mouse Monoclonal)

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