**Anti-DYKDDDDK tag Mouse Monoclonal Antibody**

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**Technical literature is available at:** [**www.mesgenbio.com**](http://www.mesgenbio.com)**. E-mail MesGen Technical Services if you have questions on use of this system: tech@mesgenbio.com**

**Catalog Number :** MAN2008 **Lot Number :** Refer to vial **Packaging Size :** 100μL□1000μL□

**Background**

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.

**Overview**

**Description :** Mouse monoclonal antibody to DYKDDDDK tag

**Tested applications :** WB :1/2000-1/10000. IHC:1/200-1/5000. ICC/IF:1/200-1/2000. IP : 1/100-1/500. Not yet tested in other applications. Optimal dilutions/concentrations should be determined by the end user.

**Formulation :** Liquid ,100 μg at 1mg/ml

**Properties**

**Immunogen :** Synthetic peptide DYKDDDDK conjugated to KLH **Clonality :** 3A6 **Isotype :** Mouse IgG2a

**Application notes**

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***Fig.*** *Lane 1: Untransfected control.Lane 2: HEK293 cells transfected with DYKDDDDK-tagged protein vector.Dilution at 1:5000.*

***Fig.*** *WB: DYKDDDDK Epitope Tag Antibody - Analysis of 30ug of whole cell lysates from HeLa cells infected with a strain of Chlamydia trachomatis expressing FLAG-IncA under the control of a Tetracycline promoter (Tet), and either left untreated (-) or treated with anhydrotetracycline (+), onto an SDS-PAGE gel.*

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***Fig.*** *Immunofluorescence: DYKDDDDK Epitope Tag Antibody - Merged figures - confirmation of nuclear localization of the fusion protein; cell nuclei stained with DAPI (blue). COS-7 cells transfected with expression constructs encoding fusion nuclear protein with DYKDDDDK epitope. Fusion nuclear protein (red) stained with this antibody (detection by Goat anti-mouse IgG conjugated Alexa Fluor 594).*

**Storage instruction**

Store at +4°C short term (1-2 weeks).

Aliquot and store at -20°C or -80°C

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