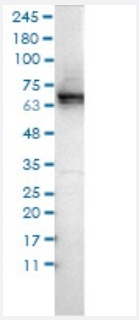
# DYKDDDDK tag monoclonal antibody, clone 29E4.G7 (HRP)

Catalog # MAB23148 Size 100 ug

## Applications




### Western Blot

Western blot analysis of Mouse antibody for the detection of DYKDDDDK tag monoclonal antibody, clone 29E4.G7 (HRP) (Cat # MAB23148). Lane 1: FLAG Positive Control Lysates. Load: 10 ug per lane. Primary antibody: DYKDDDDK tag monoclonal antibody, clone 29E4.G7 (HRP) (Cat # MAB23148) at 1:1000 for overnight at 4°C. Secondary antibody: none. Block: Blocking Buffer for Fluorescent Western Blotting for 30 min at RT. Predicted/Observed size: ~60 kDa, ~60 kDa.

## Specification

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|---|---|
| **Product Description** | Mouse monoclonal antibody raised against synthetic peptides of FLAG epitope tag. The antibody is conjugated with Horseradish Peroxidase (HRP). |
| **Immunogen** | A synthetic peptide (conjugated with KLH) corresponding to FLAG epitope tag. |
| **Sequence** | DYKDDDDK |
| **Host** | Mouse |
| **Specificity** | Carboxy and amino terminal linked FLAG tagged recombinant proteins. This antibody is directed against the FLAG epitope tag and is useful in determining its presence in over expressed proteins in various assays. The antibody recognizes the FLAG epitope tag (Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys) fused to either the amino- or carboxy- termini of targeted proteins in transfected or transformed cells. |
| **Form** | Lyophilized |
| **Conjugation** | HRP |
| **Preparation Method** | This antibody was produced in mice by repeated immunizations with a synthetic peptide corresponding to the FLAG epitope tag peptide DYKDDDDK (Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys) conjugated to KLH using maleimide. Residues of glycine and cysteine were added to the termini to facilitate coupling. |

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| **Isotype** | IgG2a, kappa |
| **Recommend Usage** | ELISA (1:10000-1:50000)<br>Immunohistochemistry (1:500-1:2500)<br>Western Blot (1:10000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | Lyophilized from 0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2 (10 mg/mL BSA (immunoglobulin and protease free), 0.01% (w/v) gentamicin sulfate). Do NOT add sodium azide! |
| **Storage Instruction** | Store vial at 4°C prior to restoration.<br>After reconstitution with 100 uL deionized water (or equivalent), aliquot contents and freeze at -20°C or below for extended storage.<br>Aliquot to avoid repeated freezing and thawing.<br>Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. |

## Applications

- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay
- Western Blot

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