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

Catalog # MAB23147 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptides of FLAG epitope tag. The antibody is conjugated with fluorescein (FITC).
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	FITC
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.
Isotype	IgG2a, kappa
Recommend Usage	Immunofluorescence (1:500-1:2500) 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) sodium azide.
Storage Instruction	Store vial at 4°C prior to restoration. After reconstitution with 100 uL deionized water (or equivalent), aliquot contents and freeze at -20°C or below for extended storage. Aliquot to avoid repeated freezing and thawing. 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.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunofluorescence