

Product Datasheet

DYKDDDDK Epitope Tag Antibody (29E4.G7) [HRP] NBP1-97393

Unit Size: 0.1 mg

Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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NBP1-97393**DYKDDDDK Epitope Tag Antibody (29E4.G7) [HRP]**

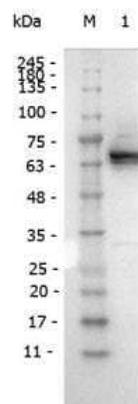
Product Information	
Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	29E4.G7
Preservative	0.01% Gentamicin Sulfate
Reconstitution Instructions	Reconstitute with 100 ul deionized water.
Isotype	IgG2a Kappa
Conjugate	HRP
Purity	Protein A purified
Buffer	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Target Molecular Weight	1.01 kDa

Product Description	
Host	Mouse
Species	Epitope Tag
Reactivity Notes	Human reactivity reported in a Verified Customer Review.
Specificity/Sensitivity	The purified antibody is directed against the FLAG(TM) motif and is useful in determining its presence in various assays where the epitope tag is present at either the amino or carboxy terminus of recombinant proteins. This monoclonal anti-FLAG(TM) tag antibody detects over-expressed proteins containing the FLAG(TM) epitope tag. In western blotting of bacterial extracts, the antibody does not cross-react with endogenous proteins.
Immunogen	This DYKDDDDK Epitope Tag Antibody (29E4.G7) was produced in mice by repeated immunizations with a synthetic peptide corresponding to the FLAG(TM) epitope tag peptide DYKDDDDK Epitope Tag Epitope Tag (Asp-Tyr-Lys-Asp-Asp-Asp-Lys) conjugated to KLH using maleimide. Residues of glycine and cysteine were added to the termini to facilitate coupling.
Notes	FLAG(R) and ANTI-FLAG(R) are registered trademarks of Sigma-Aldrich Co. LLC.

Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 1:10000, ELISA 1:10000-1:50000, Immunohistochemistry 1:500-1:2500
Application Notes	This antibody is optimally suited for monitoring the expression of DYKDDDDK epitope tagged fusion proteins. As such, this antibody can be used - identify fusion proteins containing the FLAG epitope. The antibody recognizes the epitope tag fused - either the amino- or carboxy- termini of targeted proteins. The epitope tag peptide sequence was first derived from the 11-amino-acid leader peptide of the gene-10 product from bacteriophage T7. DYKDDDDK is the most commonly used hydrophilic octapeptide tag.

Images

Western Blot: DYKDDDDK Epitope Tag Antibody (29E4.G7) [HRP] [NBP1-97393] - Western Blot of Mouse antibody for the detection of FLAG conjugated proteins Monoclonal Antibody Peroxidase Conjugated. Lane 1: FLAG Positive Control Lysates. Load: 10 ug per lane. Primary antibody: [NBP1-97393] at 1:1,000 for overnight at 4C. Secondary antibody: none. Block: Blocking Buffer for Fluorescent Western Blotting for 30 min at RT. Predicted/Observed size: 60 kDa, 60 kDa.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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