

# Product Datasheet

## DYKDDDDK Epitope Tag Antibody (29E4.G7) [FITC] NBP1-97401

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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**NBP1-97401****DYKDDDDK Epitope Tag Antibody (29E4.G7) [FITC]**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	29E4.G7
<b>Preservative</b>	0.01% Sodium Azide
<b>Reconstitution Instructions</b>	Reconstitute with 100 ul deionized water.
<b>Isotype</b>	IgG2a Kappa
<b>Conjugate</b>	FITC
<b>Purity</b>	Protein A purified
<b>Buffer</b>	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
<b>Target Molecular Weight</b>	1.01 kDa

<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Species</b>	Epitope Tag
<b>Reactivity Notes</b>	Human reactivity reported in a Verified Customer Review.
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	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.
<b>Notes</b>	FLAG(R) and ANTI-FLAG(R) are registered trademarks of Sigma-Aldrich Co. LLC.

<b>Product Application Details</b>	
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Immunocytochemistry/ Immunofluorescence 1:500-1:2500
<b>Application Notes</b>	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.



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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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