

Product datasheet for **TA396852**

Mouse Monoclonal Antibody [Clone ID: 29E4.G7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	29E4.G7
Applications:	IP
Host:	Mouse
Isotype:	IgG2a, kappa
Clonality:	Monoclonal
Immunogen:	Anti-DYKDDDDK Affinity Gel 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-Lys) conjugated to KLH.
Specificity:	Anti-DYKDDDDK Affinity Gel is a purified mouse IgG2a monoclonal antibody coupled to activated agarose. This product is intended for purification of proteins containing the FLAG® epitope tag sequence. Binding Specificity: Anti-DYKDDDDK Affinity Gel binds the FLAG® epitope tag sequence (Asp-Tyr-Lys-Asp-Asp-Asp-Lys) fused to the amino terminal, carboxy terminal or internal locations of targeted recombinant proteins expressed in transfected or transformed cells. D-Y-K-D-D-D-K peptide (p/n 000-000-383) is recommended for competitive elution to recover fusion protein (see protocol).
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1.0 mg - lot specific
Conjugation:	Unconjugated
Storage:	Store vial at 4°C prior to opening.
Stability:	Expiration date is one (1) year from date of receipt.
Background:	Epitope tags are short peptide sequences that are easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the tagged protein's biochemical properties. Anti-epitope tag antibodies serve as universal detection reagents for any tag containing protein produced by recombinant means. Epitope tag antibodies are a useful alternative to generating specific antibodies to identify, immunoprecipitate or immunoaffinity purify a recombinant protein. Rockland Immunochemicals produces anti-epitope tag antibodies against many common epitope tags including Myc, GST, GFP, 6X His, MBP, FLAG® and HA.

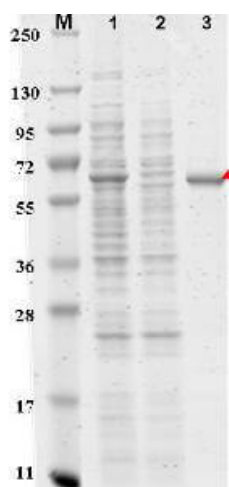


[View online »](#)

Synonyms: mouse anti-FLAG® tag agarose gel, mouse anti-DYKDDDDK agarose gel, Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys, D-Y-K-D-D-D-D-K, DDK, FLAG, FLAG antibody, anti-Flag, anti-DDK, DDK antibody

Note: Anti-DYKDDDDK Affinity Gel has been tested by IP and western blot and is optimally suited for immunoprecipitation and purification of FLAG® tagged fusion proteins. Anti-DYKDDDDK Affinity Gel antibody recognizes the FLAG® epitope tag fused to either the amino- or carboxy-terminal ends or an internal location of targeted fusion 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. Use D-Y-K-D-D-D-D-K peptide (p/n 000-000-383) for competitive elution to recover fusion protein (see protocol). Anti-FLAG® is a registered trademark of Sigma-Aldrich. Refer to the Protocol for complete instructions for use including preferred buffers for elution. Do not use buffers that may denature the anti-DYKDDDDK antibody.

Product images:



SDS-PAGE of Anti-DYKDDDDK (FLAG® tag) Affinity Gel. Lane 1: Cell lysate before purification. Lane 2: Flow through (used cell lysate). Lane 3: Purified DYKDDDDK (FLAG® tag) recombinant protein (arrowhead). Load: (6 μ L per lane). Predicted/Observed size: 70kDa for DYKDDDDK tagged recombinant protein.