

Anti-DYKDDDDK Affinity Gel (Binds the same epitope as Sigma's Anti-FLAG® M2 Antibody)

**Anti-DYKDDDDK (FLAG® tag) Affinity Gel
Catalog # ASR4338**

Specification

Anti-DYKDDDDK Affinity Gel (Binds the same epitope as Sigma's Anti-FLAG® M2 Antibody) - Product Information

Host	Mouse
Conjugate	Agarose
Clonality	Monoclonal
Application	IP, I, LCI
Application 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-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.
Physical State	Suspension of agarose beads
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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.
Preservative	0.01% (w/v) Sodium Azide

Anti-DYKDDDDK Affinity Gel (Binds the same epitope as Sigma's Anti-FLAG® M2 Antibody) - Additional Information

Purity

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).

Storage Condition

Store vial at 4°C prior to opening.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

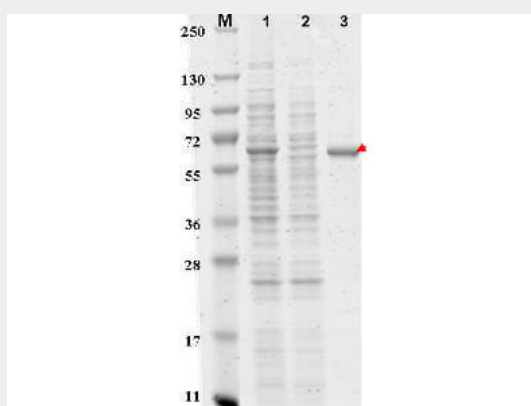
Anti-DYKDDDDK Affinity Gel (Binds the same epitope as Sigma's Anti-FLAG® M2 Antibody) - Protein Information

Anti-DYKDDDDK Affinity Gel (Binds the same epitope as Sigma's Anti-FLAG® M2 Antibody) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-DYKDDDDK Affinity Gel (Binds the same epitope as Sigma's Anti-FLAG® M2 Antibody) - 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 µL per lane). Predicted/Observed size: 70kDa for DYKDDDDK tagged recombinant protein.

Anti-DYKDDDDK Affinity Gel (Binds the same epitope as Sigma's Anti-FLAG® M2 Antibody) - 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.