

Antibody for the detection of FLAG™ conjugated proteins (MOUSE) Monoclonal Antibody Biotin Conjugate

DYKDDDDK Antibody same epitope as Sigma's Anti-FLAG Biotin Conjugated
Catalog # ASR4317

Specification

Antibody for the detection of FLAG™ conjugated proteins (MOUSE) Monoclonal Antibody Biotin Conjugate - Product Information

Host	Mouse
Conjugate	Biotin
FP Value	10-20
Clonality	Monoclonal
Application	WB, IHC, E, I, LCI
Application Note	Anti-FLAG Biotin has been tested by ELISA. This antibody is optimally suited for monitoring the expression of FLAG™ tagged fusion proteins. As such, this antibody can be used to identify fusion proteins containing the FLAG™ epitope. The antibody recognizes the epitope tag fused to 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.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	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-Lys) conjugated to KLH using maleimide.
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide

Antibody for the detection of FLAG™ conjugated proteins (MOUSE) Monoclonal Antibody Biotin Conjugate - Additional Information**Purity**

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-Lys) fused to either the amino- or carboxy-termini of targeted

proteins in transfected or transformed cells.

Storage Condition

Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of 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.

Precautions Note

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

Antibody for the detection of FLAG™ conjugated proteins (MOUSE) Monoclonal Antibody Biotin Conjugate - Protein Information

Antibody for the detection of FLAG™ conjugated proteins (MOUSE) Monoclonal Antibody Biotin Conjugate - 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](#)

Antibody for the detection of FLAG™ conjugated proteins (MOUSE) Monoclonal Antibody Biotin Conjugate - Images

Antibody for the detection of FLAG™ conjugated proteins (MOUSE) Monoclonal Antibody Biotin Conjugate - 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. Most often sequences encoding the epitope tag are included with target DNA at the time of cloning to produce fusion proteins containing the epitope tag sequence. This allows anti-epitope tag antibodies to serve as universal detection reagents for any tag containing protein produced by recombinant means. This means that anti-epitope tag antibodies are a useful alternative to generating specific antibodies to identify, immunoprecipitate or immunoaffinity purify a recombinant protein. The anti-epitope tag antibody is usually functional in a variety of antibody-dependent experimental procedures. Expression vectors producing epitope tag fusion proteins are available for a variety of host expression systems including bacteria, yeast, insect and mammalian cells. Rockland Immunochemicals produces anti-epitope tag antibodies against many common epitope tags including Myc, GST, GFP, 6X His, MBP, FLAG™ and HA. Rockland Immunochemicals also produces antibodies to other tags including FITC, Rhodamine (TRITC), DNP and biotin.