

F3165 Sigma-Aldrich

Monoclonal ANTI-FLAG® M2 antibody produced in mouse

clone M2, purified immunoglobulin (Purified IgG1 subclass), buffered aqueous solution (10 mM sodium phosphate, 150 mM NaCl, pH 7.4, containing 0.02% sodium azide)

Synonym: Anti-ddddk, Anti-dykddddk

NACRES NA.32



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Properties

Related Categories	Alphabetical Index , Antibodies , Antibodies and Conjugates , Antibodies to Peptide and Protein Fusion Tags , FK-FO , More...
conjugate	unconjugated
clone	M2, monoclonal
biological source	mouse
application(s)	western blot: 10 µg/mL (Protein A)
species reactivity	all
form	buffered aqueous solution (10 mM sodium phosphate, 150 mM NaCl, pH 7.4, containing 0.02% sodium azide)
shipped in	dry ice
storage temp.	-20°C
antibody form	purified immunoglobulin (Purified IgG1 subclass)
isotype	IgG1
Quality Level	200
antibody product type	primary antibodies
purified by	using Protein A
concentration	3.8-4.2 mg/mL
immunogen sequence	DYKDDDDK

Description

General description
Anti Flag M2 antibody is used for the detection of Flag fusion proteins.This monoclonal antibody is produced in mouse and recognizes the FLAG sequence at the N-terminus, Met N-terminus, and C-terminus. The antibody is also able to recognize FLAG at an internal site. M2, unlike M1 antibody is not Calcium dependent. [F1804](#) is an affinity purified, FLAG M2 antibody, increasing sensitivity in most applications.
Method of purification - Protein A

Immunogen
FLAG; peptide sequence DYKDDDDK

Application
Monoclonal ANTI-FLAG® M2 antibody produced in mouse has been used in:

- immunoblotting
- immunoprecipitation

- immunocytochemistry
- immunofluorescence
- ELISA
- EIA
- chromatin immunoprecipitation
- electron microscopy
- flow cytometry
- supershift assays

Browse additional application references in our [FLAG® Literature](#) portal.

Storage and Stability

Store the undiluted antibody at –20 °C in working aliquots. Repeated freezing and thawing is not recommended.

Note: Overtime, small amounts of purified antibodies can precipitate from solution due to intermolecular hydrophobic interactions. If a precipitate is observed in this product, briefly centrifuge the vial to pellet the precipitate. Withdraw the desired volume of antibody solution from the clear supernatant for use. This should not alter the performance of the purified antibody in Western blot or immunoprecipitation applications.

Legal Information

ANTI-FLAG is a registered trademark of Sigma-Aldrich Co. LLC

FLAG is a registered trademark of Sigma-Aldrich Co. LLC

Packaging

5 mg in poly bottle

Preparation Note

Dilute the antibody solution from 0.5-10 ug/mL in Tris Buffered Saline, pH 8.0, with 3% nonfat milk

Safety Information

RIDADR	NONH for all modes of transport
WGK Germany	WGK 1
Flash Point(F)	Not applicable
Flash Point(C)	Not applicable

Documents

Certificate of Analysis (COA)



[How to enter a Lot Number](#)
[View Sample COA](#)

[Bulk Quote-Order Product](#)

[Specification Sheet](#)

[F3165 - Datasheet \(94KB\)](#)

[Technical Article Jul01 \(219 KB \)](#)

Certificate of Origin (COO)



[How to enter a Lot Number](#)

[SDS](#)

[Antibody Explorer](#)

[Proteomics Prod Guide \(141 KB\)](#)

Protocols & Articles

Articles

[Anti-FLAG® M2 Magnetic Beads](#)

Anti-FLAG® M2 magnetic beads provide an easy, fast and convenient method for the detection and capture of fusion proteins with the FLAG® peptide sequence. Beads are composed of a murine derived, anti...

[Antibody Basics](#)

Immunoglobulins (Igs) are produced by B lymphocytes and secreted into plasma. The Ig molecule in monomeric form is a glycoprotein with a molecular weight of approximately 150 kDa that is shaped more ...
Keywords: Affinity chromatography, Centrifugation, Chromatography, Digestions, Direct immunofluorescence, Gene expression, High performance liquid chromatography, Immunofluorescence, Ion Exchange, Microscopy, Precipitation, Purification, Rheumatology, Scanning electron microscopy

[Inhibition of Autoregulated TFG-β](#)

We studied autocrine transforming growth factor (TGF)beta signaling in kidney epithelium. Cultured proximal tubule cells showed regulated signaling that was high during log-phase growth, low during c...
Keywords: Growth factors

Related Content

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Keywords: Alzheimer Disease, Cancer, Chromatin immunoprecipitation, Diagnostic, Enzyme-linked immunosorbent assay, Flow cytometry, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Neuroscience, Western blot

FLAG System Using three monoclonal ANTI-FLAG antibodies

The FLAG® system uses three monoclonal anti-FLAG® antibodies to detect and purify FLAG®-tag proteins. While each antibody recognizes and binds to the FLAG® epitope (corresponding to the peptide seque...
Keywords: Cell disruption, Dot blot, Enzyme-linked immunosorbent assay, Gene expression, Immunoprecipitation, Individual protein Immunoprecipitation, Ion-exchange chromatography, Precipitation, Purification, Western blot

Peer-Reviewed Papers

15
References

Related Products

Also Commonly Purchased With This Product

Product #	Description	Add to Cart
M4439	Monoclonal Anti-c-Myc antibody produced in mouse, clone 9E10, purified immunoglobulin, buffered aqueous solution	pricing
F7425	ANTI-FLAG® antibody produced in rabbit, affinity isolated antibody, buffered aqueous solution	pricing
H9658	Monoclonal Anti-HA antibody produced in mouse, clone HA-7, ascites fluid	pricing
A2220	ANTI-FLAG® M2 Affinity Gel, purified immunoglobulin, buffered aqueous glycerol solution	pricing

Related Product

Product #	Description	Comments	Add to Cart
CE0050	Cellytic™ MEM Protein Extraction Kit		pricing
F1804	Monoclonal ANTI-FLAG® M2 antibody produced in mouse, 1 mg/mL, clone M2, affinity isolated antibody, buffered aqueous solution (50% glycerol, 10 mM sodium phosphate, and 150 mM NaCl, pH 7.4)	F1804 is a peptide affinity-purified version of F3165.	pricing
F9291	Monoclonal ANTI-FLAG® BioM2 antibody produced in mouse, clone M2, purified immunoglobulin, buffered aqueous glycerol solution		pricing
06693	Timestrip Plus™ -20 °C		pricing
P7582	Amino-terminal FLAG-BAP™ Fusion Protein		pricing
F8775	Formaldehyde solution, for molecular biology, 36.5-38% in H2O		pricing

