

Product Datasheet

DYKDDDDK Epitope Tag Antibody (FG4R) NBP2-37823

Unit Size: 100 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-37823**DYKDDDDK Epitope Tag Antibody (FG4R)**

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	FG4R
Preservative	No Preservative
Isotype	IgG2b
Purity	Protein A purified
Buffer	PBS (pH 7.2)
Target Molecular Weight	1.01 kDa

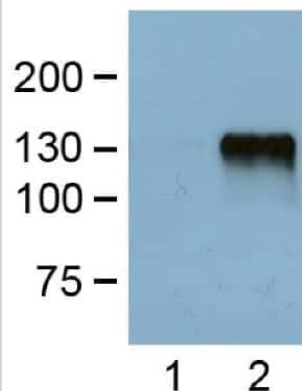
Product Description	
Description	Novus Biologicals Mouse DYKDDDDK Epitope Tag Antibody (FG4R) - Azide and BSA Free (NBP2-37823) is a monoclonal antibody validated for use in WB, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Epitope Tag
Specificity/Sensitivity	DYKDDDDK Epitope Tag Antibody (FG4R) detects Flag tag from various samples.
Immunogen	DYKDDDDK Epitope Tag Antibody (FG4R) was made to a Synthetic peptide (DYKDDDDK) coupled to KLH.
Notes	FLAG(R) and ANTI-FLAG(R) are registered trademarks of Sigma-Aldrich Co. LLC.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:200 - 1:500, Immunoprecipitation 3 ug

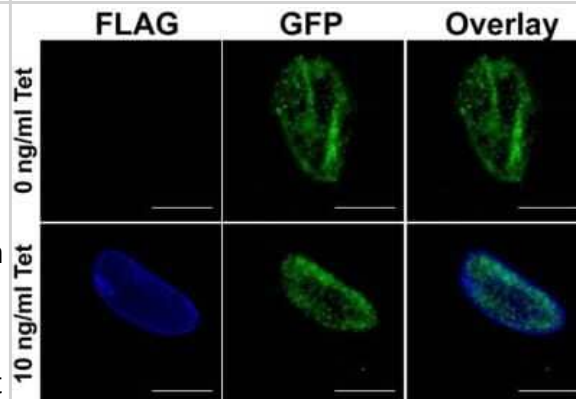


Images

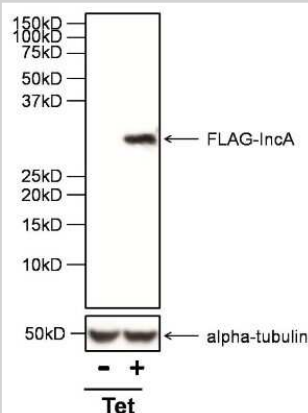
Western Blot: DYKDDDDK Epitope Tag Antibody (FG4R) [NBP2-37823]
- Analysis using [NBP2-37823] at a 1:1000 (1 μ g/mL) dilution, probed against HEK293 cells transfected with DYKDDDDK-tagged protein vector; untransfected (1) and transfected (2). Observed molecular weight ~130 kDa.



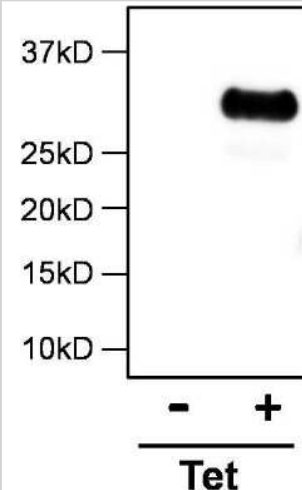
Immunocytochemistry/Immunofluorescence: DYKDDDDK Epitope Tag Antibody (FG4R) [NBP2-37823] - Analysis of Chlamydia trachomatis FLAG-tagged IncA (blue) in HeLa cells. Cells were infected with a GFP-expressing strain of Chlamydia trachomatis containing FLAG-IncA under the control of the Tetracycline (Tet) promoter, and either left untreated (0ng/ml Tet) or treated with anhydrotetracycline (10ng/ml Tet). Cells were fixed with 2% paraformaldehyde in PBS for 30 min at RT, permeabilized and blocked in 10% goat serum, 0.1% BSA, 0.1% saponin in PBS pH 7.4 for 30 mins at RT, then probed with a DYKDDDDK Epitope Tag Antibody (FG4R) [NBP2-37823] at 1:500 for 1 hr at RT. Cells were washed with PBS, and incubated with an AlexaFluor 647-conjugated goat anti-mouse IgG secondary antibody at 1:2000 for 1 hr at RT. Images were taken on a fluorescent microscope using a 60X oil-immersion objective. Scale bars represent 20 μ m. Data courtesy of the Innovators Program.



Western Blot: DYKDDDDK Epitope Tag Antibody (FG4R) [NBP2-37823]
- Analysis of 30 μ g of whole cell lysates from HeLa cells infected with a strain of Chlamydia trachomatis expressing FLAG-IncA under the control of a Tetracycline promoter (Tet), and either left untreated (-) or treated with anhydrotetracycline (+), onto an SDS-PAGE gel, using [NBP2-37823]. Observed molecular weight ~30 kDa.



Immunoprecipitation: DYKDDDDK Epitope Tag Antibody (FG4R) [NBP2-37823] - Analysis of Chlamydia trachomatis FLAG-tagged IncA in HeLa cells infected with a strain of Chlamydia trachomatis expressing FLAG-IncA under control of a Tetracycline (Tet) promoter, untreated (-) or treated with anhydrotetracycline (+). Complexes formed by incubating 1ml of HeLa cell lysate with 3 μ g of [NBP2-37823] overnight at 4C. Immune complexes were captured on 20 μ l Protein G agarose and eluted by boiling in Laemmli sample buffer. Samples were resolved on a 10% Bis-Tris acrylamide gel, transferred to a PVDF membrane, and blocked with 5% milk in TBST for 1 hr at RT. Membrane was probed with a rabbit anti-FLAG pAb at 1:200 in 3% BSA in TBST overnight at 4C, washed in TBST, and incubated with an HRP-conjugated donkey anti-rabbit IgG secondary Ab at 1:15000 in 1% milk in TBST for 1 hr at RT. Chemiluminescence performed using SuperSignal West Dura. Data courtesy of Innovators Program.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-37823

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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