

# Product Datasheet

## DYKDDDDK Epitope Tag Antibody (FG4R) - Azide and BSA Free 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) - Azide and BSA Free

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

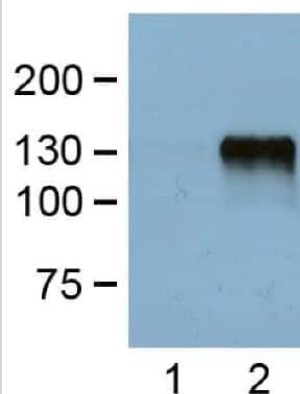
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse DYKDDDDK Epitope Tag Antibody (FG4R) - Azide and BSA Free (NBP2-37823) is a monoclonal antibody validated for use in WB, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Species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

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

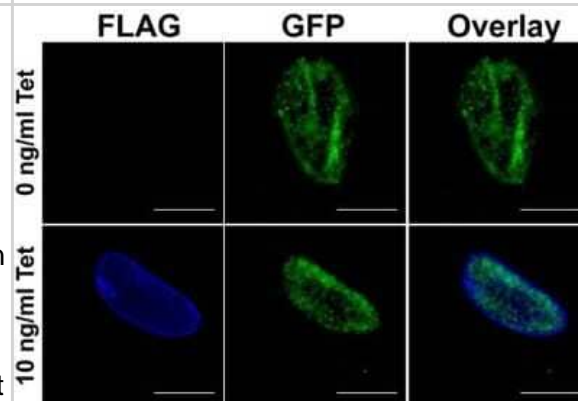


## Images

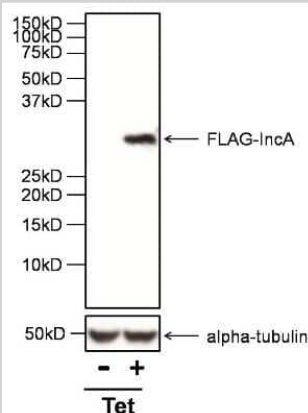
**Western Blot: DYKDDDDK Epitope Tag Antibody (FG4R) [NBP2-37823]**  
 - Analysis using [NBP2-37823] at a 1:1000 (1ug/mL) dilution, probed against HEK293 cells transfected with DYKDDDDK-tagged protein vector; untransfected (1) and transfected (2). Observed molecular weight ~130 kDa.



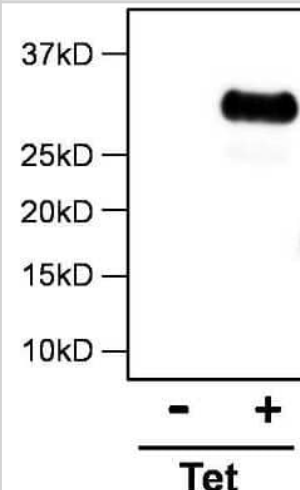
**Immunocytochemistry/Immunofluorescence: DYKDDDDK Epitope Tag Antibody (FG4R) [NBP2-37823]** - Analysis of Chlamydia trachomatis FLAG-tagged IncA (blue) in HeLa cells. Cells were infected with a GFP-expressing strain of Chlamydia trachomatis containing FLAG-IncA under the control of the Tetracycline (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 20um. Data courtesy of the Innovators Program.



**Western Blot: DYKDDDDK Epitope Tag Antibody (FG4R) [NBP2-37823]**  
 - Analysis of 30ug 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 3ug of [NBP2-37823] overnight at 4C. Immune complexes were captured on 20ul 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.





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### Products Related to NBP2-37823

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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### 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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