

Product Datasheet

Goat anti-Mouse IgG (H+L) Secondary Antibody (Pre-adsorbed) NBP1-72739

Unit Size: 2 mg

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

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NBP1-72739

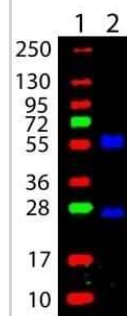
Goat anti-Mouse IgG (H+L) Secondary Antibody (Pre-adsorbed)

Product Information	
Unit Size	2 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Multi-step
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<p>This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Mouse IgG and Mouse Serum</p> <p>Store vial at 4C prior to opening. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing.</p>
Host	Goat
Species	Mouse
Specificity/Sensitivity	<p>This antibody was pre-adsorbed against Human Serum Proteins.</p> <p>No reaction was observed against Human Serum Proteins. Specificity was confirmed using ELISA at less than 1% cross reactivity against Human IgG.</p>
Immunogen	Mouse IgG whole molecule
Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:3000 - 1:12000, ELISA 1:100000 - 1:500000, Immunohistochemistry 1:1000 - 1:6000, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:5000 - 1:25000, Immunohistochemistry-Frozen 1:5000 - 1:25000, Dot Blot, Chromatin Immunoprecipitation (ChIP)
Application Notes	This product has been tested by ELISA and is suitable for ELISA, western blot, and immunohistochemistry, as well as other assays requiring lot-to-lot consistency.

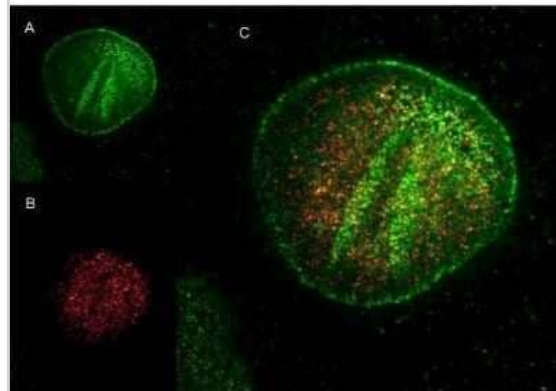


Images

Western Blot: Goat anti-Mouse IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72739] - 100 ug of Mouse IgG (Lane 2) was run on a 4-20% gel and transferred to 0.45 um nitrocellulose. After blocking with 1% BSA-TTBS 30 min at 20C, Antibody was used at 1:1000 in blocking buffer for Fluorescent Western blotting. Molecular weight markers are in lane 1. Image from the DyLight 488 version of this antibody.

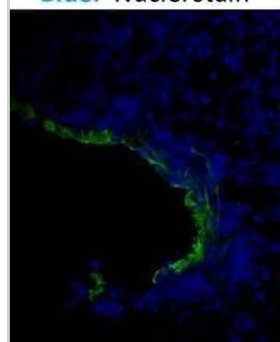


Immunocytochemistry/Immunofluorescence: Goat anti-Mouse IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72739] - DyLight and ATTO dye conjugated antibodies provide high signal and low background for confocal microscopy and high resolution Stimulated Emission Depletion (STED) Microscopy. Both Dylight and Atto conjugated secondary antibodies maintained robust, intense signal during repeated laser excitation and de-excitation used during STED microscopy. Shown here are: A. (Green) Mouse anti NuP (NuP=Nuclear Pore Protein) detected with Dylight 488 Goat anti mouse B. (Red) Rabbit Anti Ezh1/2 Pab (Ezh=enhancer of zeste homology) with detection by ATTO 425 conjugated Goat anti Rabbit C. (Red and Green) Images combined. Image from the DyLight 488 version of this antibody.

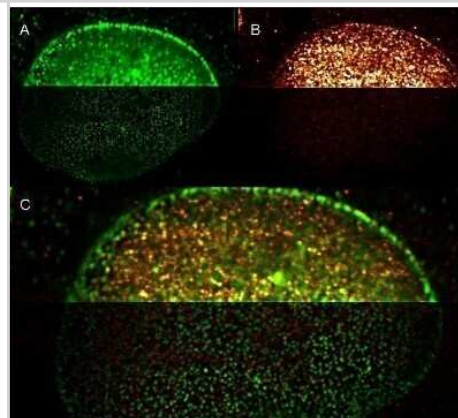


Immunohistochemistry-Paraffin: Goat anti-Mouse IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72739] - Staining of paraffin embedded mouse tissue. Goat anti-Mouse DyLight 488 was used as a secondary antibody. Image from verified customer review. Image from the DyLight 488 version of this antibody.

Green: Dylight 488
Blue: Nuclei stain

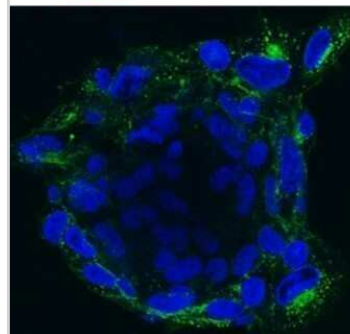


Immunocytochemistry/Immunofluorescence: Goat anti-Mouse IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72739] - DyLight and ATTO dye conjugated antibodies provide high signal and low background for confocal microscopy (upper images) and high resolution Stimulated Emission Depletion (STED) Microscopy (lower images). Both Dylight and ATTO conjugated secondary antibodies maintained robust, intense signal during repeated laser excitation and de-excitation used during STED microscopy. Shown here are: A. (Green) Mouse anti NuP (NuP=Nuclear Pore Protein) detected with Dylight 488 Goat anti mouse B. (Red) Rabbit Anti Ezh1/2 Pab (Ezh=enhancer of zeste homology) with detection by ATTO 425 conjugated Goat anti Rabbit (Red and Green) Images combined. Image from the DyLight 488 version of this antibody.

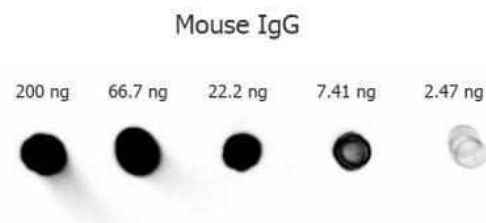


Immunohistochemistry-Frozen: Goat anti-Mouse IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72739] - MDA-MB-231 cells were stained. Goat anti-Mouse DyLight 488 was used as a secondary antibody and DRAQ5 was used for nuclear stain. Image from verified customer review. Image from the DyLight 488 version of this antibody.

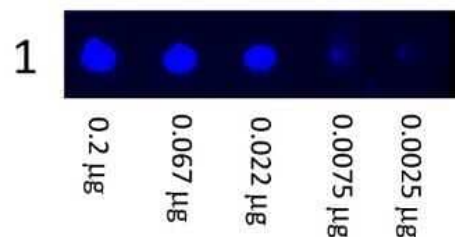
Green: DyLight 488
Blue: Nuclei stain



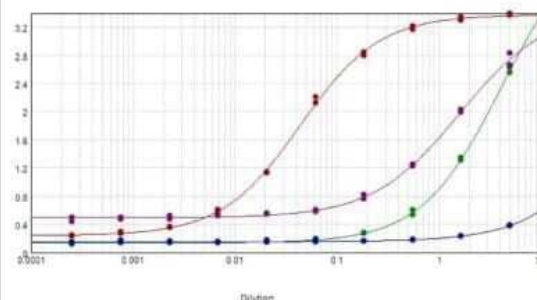
Dot Blot: Goat anti-Mouse IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72739] - Dot Blot of Goat anti-Mouse IgG antibody Alkaline Phosphatase Conjugated Min X Bv Ch Gt GP Ham Hs Hu Rb, Rt, Sh Serum Proteins. Antigen: Mouse IgG. Load: 200 ng, 66.7 ng, 22.2 ng, 7.41 ng, or 2.47 ng as indicated. Primary antibody: Anti-Mouse IgG antibody Alkaline Phosphatase Conjugated at 1:1,000 for 60 min at 4C. Secondary antibody: N/A. Block: Blocking Buffer for Fluorescent Western Blotting for 60 min at RT. Image using the Alkaline Phosphatase format of this antibody.



Dot Blot: Goat anti-Mouse IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72739] - A three-fold serial dilution of Mouse IgG starting at 200ug was spotted onto 0.45 um nitrocellulose. After blocking in 5% Blotto 1 Hour at 20C, Antibody was used at 1:1000 in blocking buffer for Fluorescent Western blotting. Image using the FITC format of this antibody.



ELISA: Goat anti-Mouse IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72739] - ELISA results of purified Goat anti-Mouse IgG (H+L) Secondary Antibody [Unconjugated] (Pre-adsorbed) tested against purified Mouse IgG. Each well was coated in duplicate with 1.0 ug of Mouse IgG (red line) Human IgG (green line). The starting dilution of antibody was 5ug/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using blocking buffer, Gt-anti-Donkey HRP conjugate 616-1302, and TMB substrate.



Publications

Zhang F, Zang TM, Stevenson EM et al. Inhibition of major histocompatibility complex-I antigen presentation by sarbecovirus ORF7a proteins Proceedings of the National Academy of Sciences 2022-10-11 [PMID: 36136978]

Verma SK, Yaghoobi H, Slaine P Et al. Multi-pin contact drawing enables production of anisotropic collagen fiber substrates for alignment of fibroblasts and monocytes Colloids Surf B Biointerfaces 2022-05-02 [PMID: 35500531]

Details:

Citation using the Janelia Fluor 549 version of this antibody.

Beckedorff F, Blumenthal E, daSilva LF, et al. The Human Integrator Complex Facilitates Transcriptional Elongation by Endonucleolytic Cleavage of Nascent Transcripts Cell Rep 2020-07-23 [PMID: 32697989] (ICC/IF)

Zhang J, Sun H, Salvi R et al. Paraquat initially damages cochlear support cells leading to anoikis-like hair cell death Hear Res 2018-03-23 [PMID: 29563067] (IF/IHC)

Kant V, Gopal A, Kumar D et al. Curcumin-induced angiogenesis hastens wound healing in diabetic rats. J Surg Res. 2014-10-17 [PMID: 25454972] (IHC-P)

Details:

This citation used the Biotin form of this antibody.

Huebner KD, Shrive NG, Frank CB. Dexamethasone inhibits inflammation and cartilage damage in a new model of post-traumatic osteoarthritis. J Orthop Res. 2014-04-01 [PMID: 24375646] (IHC-Fr)

Details:

This citation used the HRP form of this antibody.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Secondary Antibodies are guaranteed for 1 year from date of receipt.

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