

Product Datasheet

Sheep anti-Mouse IgG (H+L) Secondary Antibody NB120-6710

Unit Size: 1 mg

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

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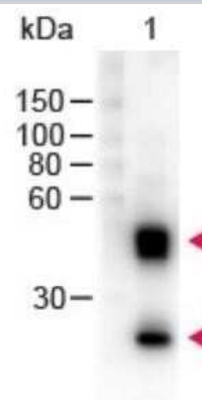
NB120-6710**Sheep anti-Mouse IgG (H+L) Secondary Antibody**

Product Information	
Unit Size	1 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-Sheep 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	Sheep
Species	Mouse
Immunogen	Sheep anti-Mouse IgG (H+L) Secondary Antibody was produced by repeated immunization with Mouse IgG whole molecule in sheep.
Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Fluorophore-linked immunosorbent assay, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000 - 1:10000, ELISA 1:100000, Immunohistochemistry 1:1000 - 1:5000, Immunocytochemistry/ Immunofluorescence, Dot Blot, Fluorophore-linked immunosorbent assay
Application Notes	This product has been tested by ELISA and is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.

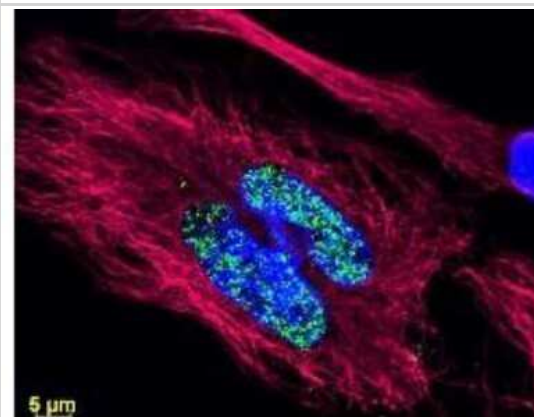


Images

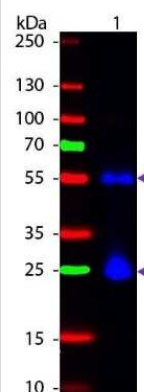
Western Blot: Sheep anti-Mouse IgG (H+L) Secondary Antibody [NB120-6710] - Lane 1: Mouse IgG. Lane 2: None. Load: 100 ug per lane. Primary antibody: none. Secondary antibody: Peroxidase sheep secondary antibody at 1:1,000 for 60 min at RT. Block for 30 min at RT. Predicted/Observed size: 55 and 28 kDa, 55 and 28 kDa for Mouse IgG. Image from the HRP version of this antibody.



Immunocytochemistry/Immunofluorescence: Sheep anti-Mouse IgG (H+L) Secondary Antibody [NB120-6710] - Immunocytochemistry/Immunofluorescence: Sheep anti-Mouse IgG (H+L) Secondary Antibody [DyLight 488] (Pre-absorbed) [NBP1-72924]



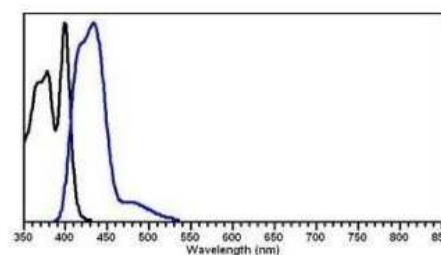
Western Blot: Sheep anti-Mouse IgG (H+L) Secondary Antibody [NB120-6710] - Lane 1: Mouse IgG. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Fluorescein sheep secondary antibody at 1:1,000 for 60 min at RT. Blocking: incubated with blocking buffer for 30 min at RT. Predicted/Observed size: 25 & 55 kDa, 25 & 55 kDa for Mouse IgG. Other band(s): None.



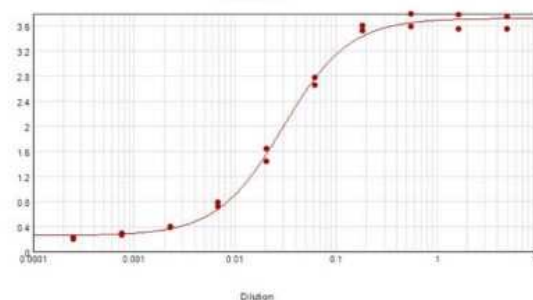
Dot Blot: Sheep anti-Mouse IgG (H+L) Secondary Antibody [NB120-6710] - Mouse IgG. Load: Lane 1 - 200 ng Lane 2 - 66.67 ng Lane 3 - 22.22 ng Lane 4 - 7.41 ng Lane 5 - 2.47 ng.



Fluorophore-linked immunosorbent assay: Sheep anti-Mouse IgG (H+L) Secondary Antibody [NB120-6710] - Fluorophore-linked immunosorbent assay: Sheep anti-Mouse IgG, H/L Chains Antibody [DyLight 405] [NBP1-72929]



ELISA: Sheep anti-Mouse IgG (H+L) Secondary Antibody [NB120-6710] - ELISA results of purified Sheep anti-Mouse IgG (H+L) Secondary antibody tested against purified Mouse IgG. Each well was coated in duplicate with 1.0 ug of Mouse IgG. 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, Dky-anti-Sheep HRP conjugate, and TMB substrate.



Publications

Kumar A, Tiwari AK, Kumar S et al. Assessment of dengue virus inactivation in random donor platelets using amotosalen and ultraviolet A illumination Asian Journal of Transfusion Science 2022-05-26 [PMID: 36199414]

Yadav K, Rana VS, Anjali et al. Mucin Protein of Aedes aegypti Interacts with Dengue Virus 2 and Influences Viral Infection Microbiology spectrum 2023-02-27 [PMID: 36847498] (B/N)

Stokes DG, Liu G, Coimbra IB et al. Assessment of the gene expression profile of differentiated and dedifferentiated human fetal chondrocytes by microarray analysis Arthritis Rheum 2002-02-13 [PMID: 11840443] (WB)

Hunter SR, Vonk A, Mullen Grey AK et al. Role of Glucocorticoid Receptor and Pregnane X Receptor in Dexamethasone Induction of Rat Hepatic Aryl Hydrocarbon Receptor Nuclear Translocator and NADPH-Cytochrome P450 Oxidoreductase Drug Metab Dispos 2016-11-19 [PMID: 27856527]



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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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