

Product Datasheet

Donkey anti-Sheep IgG (H+L) Secondary Antibody NBP1-72699

Unit Size: 2 mg

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

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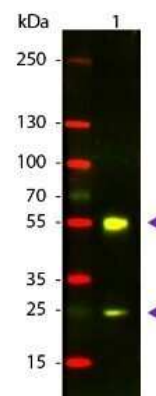


NBP1-72699**Donkey anti-Sheep IgG (H+L) Secondary Antibody**

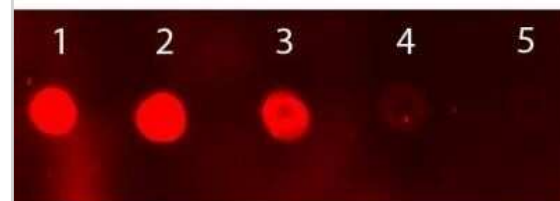
Product Information	
Unit Size	2 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Multi-step
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	This product was prepared from monospecific antiserum generated in donkey by immunoaffinity chromatography using Sheep 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-Donkey Serum, Sheep IgG and Sheep Serum. 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.
Host	Donkey
Species	Sheep
Immunogen	Sheep IgG whole molecule
Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000 - 1:10000, ELISA 1:20000 - 1:100000, Immunohistochemistry 1:1000 - 1:5000, Immunocytochemistry/ Immunofluorescence, Dot Blot
Application Notes	This product has been tested by ELISA and is suitable for use in various immunoassays. Specific conditions for reactivity and signal detection should be optimized by the end user. Use in Immunocytochemistry/Immunofluorescence was reported in the scientific literature (PMID: 19931591).

Images

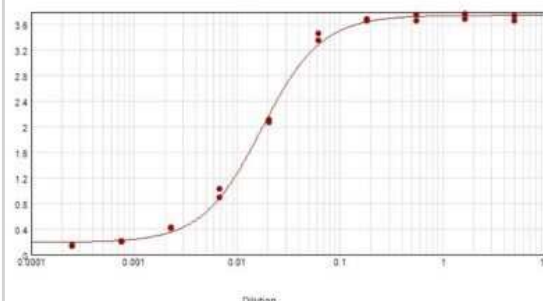
Western Blot: Donkey anti-Sheep IgG (H+L) Secondary Antibody [NBP1-72699] - Lane 1: Sheep IgG. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Texas Red donkey secondary antibody at 1:1,000 for 60 min at RT. Block: incubated with blocking buffer for 30 min at RT. Predicted/Observed size: 28 & 55 kDa, 28 & 55 kDa for Sheep IgG. Other band(s): None. Image using the Texas Red format of this antibody.



Dot Blot: Donkey anti-Sheep IgG (H+L) Secondary Antibody [NBP1-72699] - Sheep IgG Load: Lane 1 - 50 ng Lane 2 - 16.67 ng Lane 3 - 5.56 ng Lane 4 - 1.85 ng Lane 5 - 0.62 ng. Image from the FITC version of this antibody.



ELISA: Donkey anti-Sheep IgG (H+L) Secondary Antibody [NBP1-72699] - ELISA results of purified ELISA of Donkey anti-Sheep IgG (H+L) Secondary Antibody [Unconjugated] tested against purified Sheep IgG. Each well was coated in duplicate with 1.0 ug of Sheep 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, Gt-a-Donkey IgG HRP conjugate 1:10000, and TMB substrate.



Publications

Yin, T;D'Adamio, L; BRI2-mediated regulation of TREM2 processing in microglia and its potential implications for Alzheimer's disease and related dementias bioRxiv : the preprint server for biology 2023-06-14 [PMID: 37398330]

Tambini MD, D'Adamio L Trem2 Splicing and Expression are Preserved in a Human Abeta-producing, Rat Knock-in Model of Trem2-R47H Alzheimer's Risk Variant Nature 2020-03-05 [PMID: 32139718] (WB)

Aoki H, Kimoto K, Hori N et al. Molarless condition suppresses proliferation but not differentiation rates into neurons in the rat dentate gyrus Neurosci Lett 2009-11-26 [PMID: 19931591] (IF/IHC, ICC/IF)



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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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