

Product Datasheet

dsRNA Antibody (J2) - Azide and BSA Free NBP3-11395-200ug

Unit Size: 200 ug

Store lyophilized antibody at -20C prior to opening. Aliquot reconstituted liquid and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing.

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NBP3-11395-200ug

dsRNA Antibody (J2) - Azide and BSA Free

Product Information	
Unit Size	200 ug
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at -20C prior to opening. Aliquot reconstituted liquid and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing.
Clonality	Monoclonal
Clone	J2
Preservative	No Preservative
Reconstitution Instructions	The lyophilised sample should be reconstituted with 200 ul (500 ul for 500 ug size) sterile distilled water. The mAb will then be in PBS without any stabilisers at a concentration of 1 mg/ml.
Isotype	IgG2a Kappa
Purity	Protein A purified
Buffer	Lyophilised from PBS

Product Description	
Host	Mouse
Species	Multi-Species
Specificity/Sensitivity	This antibody recognises double-stranded RNA (dsRNA) provided that the length of the helix is greater than or equal to 40 bp. dsRNA-recognition is independent of the sequence and nucleotide composition of the antigen. All naturally occurring dsRNAs investigated up to now (40-50 species) as well as poly(I).poly(C) and poly(A).poly(U) have been recognised by this antibody, although in some assays its affinity to poly(I).poly(C) is about 10 times lower than that to other dsRNA antigens.
Immunogen	Female DBA/2 mice were injected intraperitoneally with a mixture of 50 ug L-dsRNA and 75 ug methylated bovine serum albumin, emulsified in complete Freund's adjuvant. After several boosts spleen cells were fused with Sp2/0-Agl4 myeloma cells to generate the hybridoma clone.
Notes	After reconstitution antibodies should be aliquoted and stored at -20C or -70C. After adding 10 mM sodium azide undiluted antibody can also be stored at 4C for a short period of time. For long term storage the mAb should be kept frozen. Repeated freezing/thawing cycles should be avoided. When kept lyophilized the product will remain stable for at least 5 years at -20C or -70C. This ds-RNA antibody was manufactured by Scicon.

Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoaffinity Purification
Recommended Dilutions	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Dot Blot, Immunoaffinity Purification



Application Notes

This antibody can be used for ELISA, dsRNA-immunoblotting, immunoaffinity chromatography and in certain systems also for immunohistochemistry. The optimum working dilution of the antibody for any specific application should be established by titration.

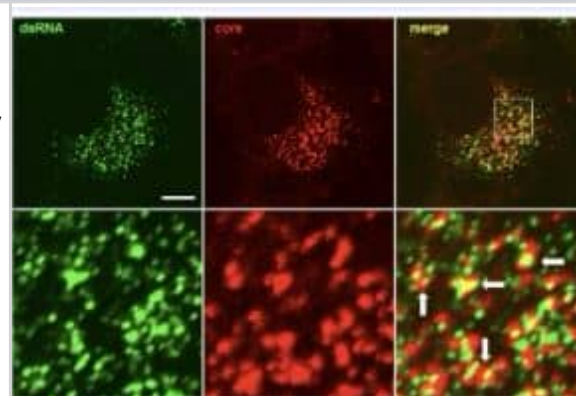
Please note that nucleic acid separation prior to dsRNA-immunoblotting must be carried out by polyacrylamide gel electrophoresis, because the sensitivity of detection is considerably lower after blotting from agarose gels.

Not for use for clinical purposes. For in vitro use only.

Immuno-affinity-chromatography

Images

Immunohistochemistry-NBP3-11395-dsRNA Antibody (J2) - Azide and BSA Free-Antibody J2 (1:250 dilution, 4 microgram/ml) reveals the colocalisation of dsRNA (labelled in green) and Hepatitis C virus core protein (labelled in red), indicating the location of putative virus assembly sites (arrows).

**Publications**

Cali M. McEntee, Alyssa N. Cavalier, Thomas J. LaRocca ADAR1 suppression causes interferon signaling and transposable element transcript accumulation in human astrocytes *Frontiers in Molecular Neuroscience* 2023-10-25 [PMID: 38035265]



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Products Related to NBP3-11395-200ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP3-11403	dsRNA Antibody Pack

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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