

Product Datasheet

CD44 Antibody (OX-50) - BSA Free NB600-1317SS

Unit Size: 0.025 ml

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

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NB600-1317SS

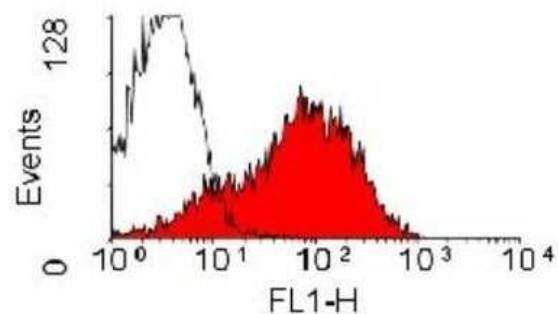
CD44 Antibody (OX-50) - BSA Free

Product Information	
Unit Size	0.025 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OX-50
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse CD44 Antibody (OX-50) - BSA Free (NB600-1317) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-CD44 Antibody: Cited in 12 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	960
Gene Symbol	CD44
Species	Rat
Marker	Cell Membrane Marker
Specificity/Sensitivity	This recognizes the rat CD44 cell surface antigen, expressed by T cells, B cells, macrophages and thymocytes.
Immunogen	Rat T cell blasts from a mixed lymphocyte reaction between purified CD4+ T cells and irradiated spleen cells.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, CyTOF-ready
Recommended Dilutions	Western Blot reported in scientific literature (PMID 8537452), Flow Cytometry 1:50 - 1:100, Immunohistochemistry 1:50 - 1:100, Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 31229690), Immunohistochemistry-Paraffin 1:50 - 1:100. Use reported in scientific literature (PMID 16673425), Immunohistochemistry-Frozen 1:50 - 1:100. Use reported in scientific literature (PMID 16673425), CyTOF-ready
Application Notes	This antibody is CyTOF ready.

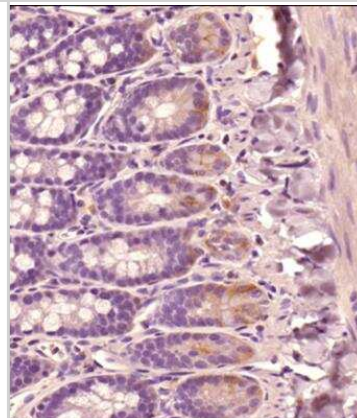


Images

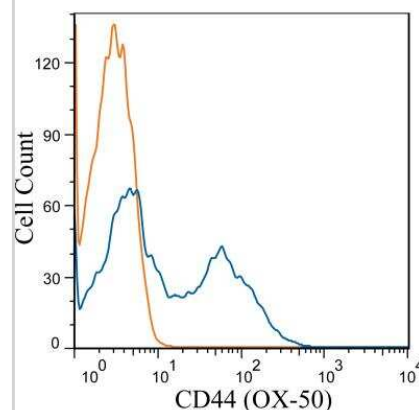
Flow Cytometry: CD44 Antibody (OX-50) [NB600-1317] - Analysis using the FITC conjugate of NB600-1317. Staining of rat spleen cells with Mouse anti Rat CD44: FITC.



Immunohistochemistry-Paraffin: CD44 Antibody (OX-50) [NB600-1317] - Analysis of a FFPE tissue section of Rat small intestine using Mouse anti-Rat CD44 antibody (clone OX50) at 1:100 dilution. The staining was detected using HRP-conjugated anti-Mouse secondary antibody with DAB reagent followed by hematoxylin counterstaining. This antibody clone specifically stained the membranes of the cells close to the bases of the crypts/villi which are known to actively migrate towards the tip of villi.



Flow Cytometry: CD44 Antibody (OX-50) [NB600-1317] - Rat Splenocytes were stained with CD44 (OX-50) antibody NB600-1317 (blue) and a matched isotype control NBP2-27287 (orange). Cells were incubated in an antibody dilution of 1 ug/mL for 20 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 488.



Publications

Shahjin F, Patel M, Machhi J et al. Multipolymer microsphere delivery of SARS-CoV-2 antigens Acta biomaterialia 2022-12-26 [PMID: 36581007] (FLOW, Rat)

LaRocca TJ, Mariani A, Watkins LR et al. TDP-43 knockdown causes innate immune activation via protein kinase R in astrocytes Neurobiol. Dis. 2019-06-20 [PMID: 31229690] (ICC/IF, Rat)

Husain S, Ginawi I, Bashir AI et al. Focal and segmental glomerulosclerosis in murine models: a histological and ultrastructural characterization with immunohistochemistry correlation of glomerular CD44 and WT1 expression. Ultrastruct Pathol. 2018-10-04 [PMID: 30285525] (IHC-P, Rat)

Lee Sean J, Duncan D'anne S, Echevarria Franklin D et al. Pressure-Induced Alterations in PEDF and PEDF-R Expression: Implications for Neuroprotective Signaling in Glaucoma. J Clin Exp Ophthalmol 2015-01-01 [PMID: 26807306] (IHC-P, Rat)

Bonnema H, Popa ER, van Timmeren MM et al. Distribution patterns of the membrane glycoprotein CD44 during the foreign-body reaction to a degradable biomaterial in rats and mice. J Biomed Mater Res A. [PMID: 12579564] (IHC-Fr, Rat)

Khaldoyanidi S, Schnabel D, Fohr N, Zoller M. Functional activity of CD44 isoforms in haemopoiesis of the rat. Br J Haematol. [PMID: 9012685] (FLOW, Rat)

Crook K, Hunt SV. Enrichment of early fetal-liver hemopoietic stem cells of the rat using monoclonal antibodies against the transferrin receptor, Thy-1, and MRC-OX82. Dev Immunol. [PMID: 8924759] (FLOW, Rat)

Neame SJ, Uff CR, Sheikh H et al. CD44 exhibits a cell type dependent interaction with triton X-100 insoluble, lipid rich, plasma membrane domains. J Cell Sci. [PMID: 8537452] (WB, Rat)

Seiter S, Arch R, Reber S et al. Prevention of tumor metastasis formation by anti-variant CD44. J Exp Med. [PMID: 8426113]

Zheng Z, Katoh S, He Q et al. Monoclonal antibodies to CD44 and their influence on hyaluronan recognition. J Cell Biol. [PMID: 7542251] (FLOW, Rat)

Nagai Y, Inobe M, Kikuchi K, Uede T. Functional and phenotypical analysis of subsets of rat CD4+ T cells. Microbiol Immunol. [PMID: 7504163] (FLOW, Rat)

Gesierich S, Berezovskiy I, Ryschich E, Zoller M. Systemic induction of the angiogenesis switch by the tetraspanin D6.1A/CO-029. Cancer Res. [PMID: 16849554] (FLOW, Rat)





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