

Product Datasheet

BST2 Antibody (120G8.04) - Azide and BSA Free DDX0390P-100

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 66

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DDX0390P-100

BST2 Antibody (120G8.04) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	120G8.04
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Ion exchange chromatography
Buffer	Tris-NaCl (pH 8.0)

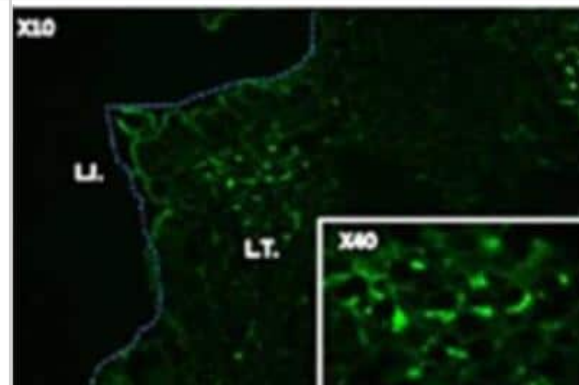
Product Description	
Description	Novus Biologicals Rat BST2 Antibody (120G8.04) - Azide and BSA Free (DDX0390P-100) is a monoclonal antibody validated for use in IHC, Flow, ICC/IF and IP. Anti-BST2 Antibody: Cited in 66 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	684
Gene Symbol	BST2
Species	Human, Mouse
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 31339007).
Specificity/Sensitivity	Mouse pDCs/BST-2/IFN producing cells (IPC) (extracellular domain)
Immunogen	mouse plasmacytoid DCs (pDCs)
Notes	This product is manufactured by Eurobio Scientific (formerly Dendritics) and distributed by Novus Biologicals.

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, In vivo assay, Immunoprecipitation, Block/Neutralize, Immunohistochemistry Free-Floating
Recommended Dilutions	Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen, In vivo assay, Immunohistochemistry Free-Floating, Block/Neutralize
Application Notes	Monoclonal antibody 120G8.04 may be used between at 1-10 ug/ml. For pDCs in vivo depletion in Balb /c mice, mAb 120G8 was used between 50-200 ug / injection. Use in Immunohistochemistry free floating reported in scientific literature (PMID: 31207335).

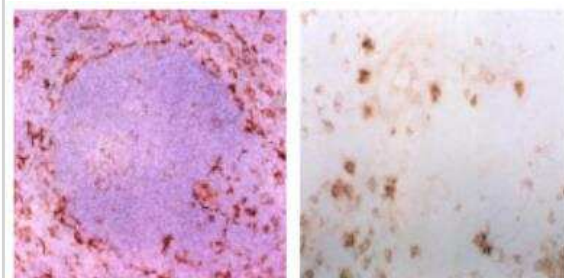


Images

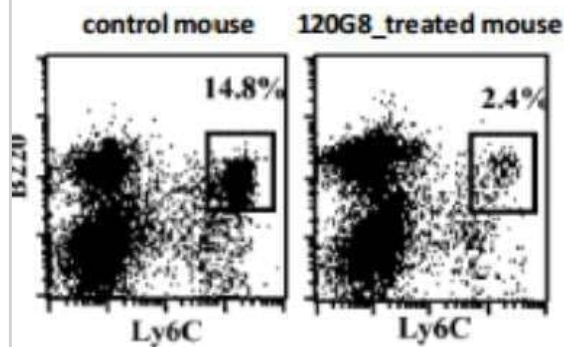
Immunocytochemistry/Immunofluorescence: BST2 Antibody (120G8.04) [DDX0390P-100] - Murine peyer patch: BST-2



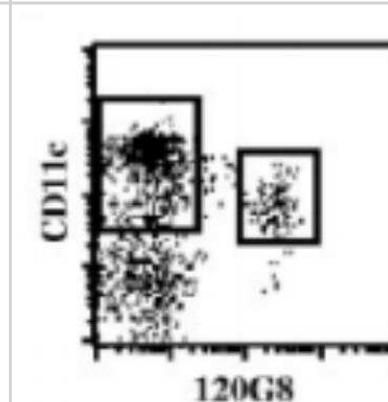
Immunohistochemistry: BST2 Antibody (120G8.04) [DDX0390P-100] - IHC staining of murine spleen cryosections



Flow Cytometry: BST2 Antibody (120G8.04) [DDX0390P-100] - In vivo depletion of mouse PDCs (gated on CD11c+CD3- cells).

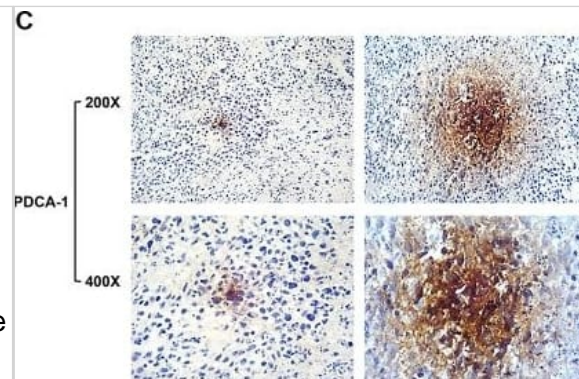


Flow Cytometry: BST2 Antibody (120G8.04) [DDX0390P-100] - Facs sorting of mouse PDCs (120G8/CD11c)



Treatment with HP06T07 induces accumulation of T cells, NK cells, and pDCs. Three mg/kg HP06T07 or PBS was intratumorally injected into right sides of tumors at 50 μ l and was administered consecutively six times at 3-day intervals (day 10, 13, 16, 19, 22, and 25; I3). Two days after last treatment, tumors on the right sides of mice were harvested, embedded with paraffin, and stained with anti-mouse CD3 ϵ (A), NK cell marker NCR1 (B), pDCs marker PDCA-1 (C), and CD19 (D). Positive cells were detected with alkaline phosphatase-conjugated goat anti-rat/rabbit IgG according to the manufacturer's instructions.

Representative images from one of three HP06T07- or PBS-treated mice are shown. Arrows indicate infiltration of immune cells. Original magnification, 200 \times and 400 \times . Histogram results were expressed as mean \pm SEM of positive cells/field evaluated at 400 \times images (n = 4–6/group). Statistical significance of differences was determined (*P < 0.05 and ***P < 0.001). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/32116691>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Yamamoto A, Morioki H, Nakae T et al. Transcription factor old astrocyte specifically induced substance is a novel regulator of kidney fibrosis *The FASEB Journal* 2021-02-01 [PMID: 33150680]

Liu X, Hogg GD, Zuo C et al. Context-dependent activation of STING-interferon signaling by CD11b agonists enhances anti-tumor immunity *Cancer cell* 2023-05-12 [PMID: 37236195]

Blériot C, Barreby E, Dunsmore G, Ballaire R et Al. A subset of Kupffer cells regulates metabolism through the expression of CD36 *Immunity* 2021-09-01 [PMID: 34469775]

Li T, Wu J et al. A Novel C Type CpG Oligodeoxynucleotide Exhibits Immunostimulatory Activity In Vitro and Enhances Antitumor Effect In Vivo. *Front Pharmacol* 2020-03-03 [PMID: 32116691] (IF/IHC, Mouse)

Ishiguro N, Moriyama M, Furusho K et al. Activated M2 macrophage contributes to the pathogenesis of IgG4-related disease via TLR7/IL-33 signaling *Arthritis & rheumatology (Hoboken, N.J.)* 2019-07-23 [PMID: 31339007] (IHC-P, Mouse, Human)

Olde Heuvel F, Holl S, Chandrasekar A et al. STAT6 mediates the effect of ethanol on neuroinflammatory response in TBI *Brain Behav. Immun.* 2019-06-15 [PMID: 31207335] (IHC-FrFl, Mouse)

Sayour EJ, Grippin A, De Leon G et al. Personalized Tumor RNA Loaded Lipid-Nanoparticles Prime the Systemic and Intratumoral Milieu for Response to Cancer Immunotherapy. *Nano Lett.* 2018-09-27 [PMID: 30259750] (In Vivo, Mouse)

Pan ZJ, Horton CG, Lawrence C, Farris AD. Plasmacytoid dendritic cells and type 1 IFN promote peripheral expansion of Foxp3(+) regulatory T cells specific for the ubiquitous RNA-binding nuclear antigen La/SS-B. *Clin Exp Immunol* 2016-05-26 [PMID: 27227559] (In Vivo, Mouse)

Jiao J, Dragomir AC, Kocabayoglu P et al. Central role of conventional dendritic cells in regulation of bone marrow release and survival of neutrophils. *J Immunol* 2014-04-01 [PMID: 24591364] (In Vivo, Mouse)

Kostarnoy AV, Gancheva PG, Lepenies B et al. Receptor Mincle promotes skin allergies and is capable of recognizing cholesterol sulfate. *Proc. Natl. Acad. Sci. U.S.A.* 2017-03-28 [PMID: 28292894] (IF/IHC, Mouse)

Chalise JP et al. IDO1 and TGF-beta Mediate Protective Effects of IFN-alpha in Antigen-Induced Arthritis. *J Immunol* 2016-10-15 [PMID: 27647832]

Londrigan SL et al. Endogenous Murine BST-2/Tetherin Is Not a Major Restriction Factor of Influenza A Virus Infection. *PLoS One* 2015-11-13 [PMID: 26566124]

More publications at <http://www.novusbio.com/DDX0390P-100>



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Products Related to DDX0390P-100

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
NBP1-43322-0.5mg	Rat IgG1 Kappa Light Chain Isotype Control (RG1)
NBP1-72363-50ug	Recombinant Human BST2 His Protein

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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