

Product Datasheet

B7-1/CD80 Antibody (62N3G8) - BSA Free NBP2-25255

Unit Size: 0.1 mg

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

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NBP2-25255

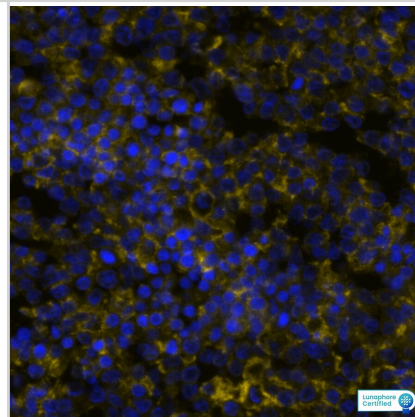
B7-1/CD80 Antibody (62N3G8) - BSA Free

Product Information	
Unit Size	0.1 mg
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	62N3G8
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse B7-1/CD80 Antibody (62N3G8) - BSA Free (NBP2-25255) is a monoclonal antibody validated for use in IHC, WB and Flow. Anti-B7-1/CD80 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	941
Gene Symbol	CD80
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 27440778).
Immunogen	Amino acids 102-223 of human CD80 were used as the immunogen for the antibody.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, Multiplex Immunofluorescence
Recommended Dilutions	Western Blot reported by customer review, Flow Cytometry 1:10-1:1000. Use reported by customer review, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Multiplex Immunofluorescence 20ug/mL
Application Notes	Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



Images

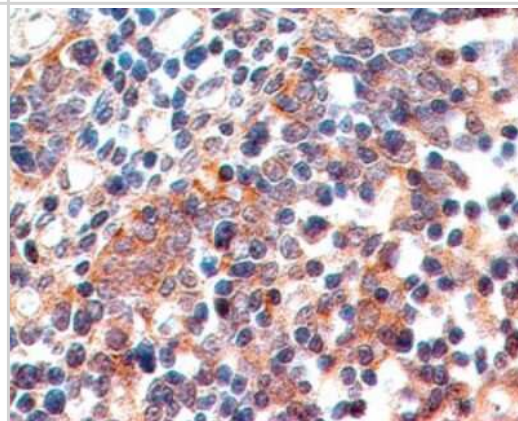
CD80/B7-1 was detected in immersion fixed paraffin-embedded sections of human Hodgkin's Lymphoma using Mouse Anti-Human CD80/B7-1, Monoclonal Antibody (Catalog #NBP2-25255) at 20ug/mL at 37°Celsius for 4 minutes. Before incubation with the primary antibody, tissue underwent an all-in-one dewaxing and antigen retrieval preprocessing using PreTreatment Module (PT Module) and Dewax and HIER Buffer H (pH 9; EpreDia Catalog # TA-999-DHBH). Tissue was stained using the Alexa Fluor™ 647 Goat anti-Mouse IgG Secondary Antibody at 1:200 at 37 ° Celsius for 2 minutes. (Yellow; Lunaphore Catalog # [DR647MS](#)) and counterstained with DAPI (blue; Lunaphore Catalog # [DR100](#)). Specific staining was localized to the membrane. Protocol available in [COMET™ Panel Builder](#).



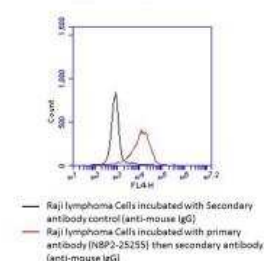
Western Blot: B7-1/CD80 Antibody (62N3G8) [NBP2-25255] - Analysis in human Raji lymphoma cells.



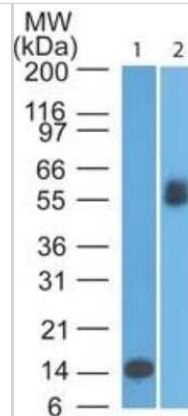
Immunohistochemistry-Paraffin: B7-1/CD80 Antibody (62N3G8) [NBP2-25255] - Human thymus stained with CD80 antibody at 5 ug/ml using peroxidase-conjugate and DAB chromogen. Note membrane and cytoplasmic staining.



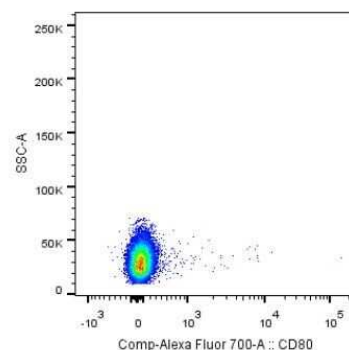
Flow Cytometry: B7-1/CD80 Antibody (62N3G8) [NBP2-25255] - Raji lymphoma cells. Image from verified customer review.



Western Blot: B7-1/CD80 Antibody (62N3G8) [NBP2-25255] - Analysis of CD80 in A) a partial recombinant protein and B) Daudi lysate using this antibody at 0.1 and 1 g/ml, respectively. Goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



Flow Cytometry: B7-1/CD80 Antibody (62N3G8) [NBP2-25255] - Analysis using the Alexa Fluor (R) 700 conjugate of NBP2-25255. Staining of CD80 in human PBMC (monocyte depleted) using anti-CD80 antibody. Image from verified customer review.



Publications

Wu J, Jing X, Du Q et al. Disruption of the Clock Component Bmal1 in Mice Promotes Cancer Metastasis through the PAI-1-TGF- β -myoCAF-Dependent Mechanism *Advanced science* (Weinheim, Baden-Wuerttemberg, Germany) 2023-06-17 [PMID: 37330661] (IHC-P, Mouse)

Details:

IHC-P: antibody dilution: 1:200. Antigen retrieval: citrate-based solution pH 6.0 (H-3300, Vector)

Pokryvkova B, Smahelova J, Dalewska N et al. ARG1 mRNA Level Is a Promising Prognostic Marker in Head and Neck Squamous Cell Carcinomas *Diagnostics* (Basel, Switzerland) 2021-03-31 [PMID: 33807310]

Zhao Y Lee CK Lin CH et al. PD-L1:CD80 Cis-Heterodimer Triggers the Co-stimulatory Receptor CD28 While Repressing the Inhibitory PD-1 and CTLA-4 Pathways *Immunity* 2019-12-17 [PMID: 31757674] (WB, Human)

Herrera M, Soderberg M, Sabirsh A et al. Inhibition of T-cell activation by CTLA4-Fc is sufficient to ameliorate proteinuric kidney disease *Am. J. Physiol. Renal Physiol.* 2016-07-20 [PMID: 27440778]



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Products Related to NBP2-25255

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)

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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