

# Product Datasheet

## **B7-1/CD80 Antibody (62N3G8) - Azide and BSA Free NBP2-80588**

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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**NBP2-80588**

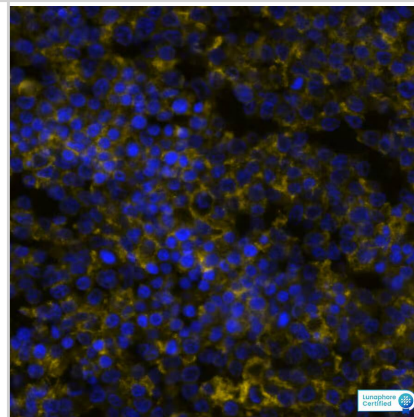
B7-1/CD80 Antibody (62N3G8) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	62N3G8
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2b Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse B7-1/CD80 Antibody (62N3G8) - Azide and BSA Free (NBP2-25255) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	941
<b>Gene Symbol</b>	CD80
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 27440778).
<b>Immunogen</b>	Amino acids 102-223 of human CD80 were used as the immunogen for the antibody.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Multiplex Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot reported by customer review, Flow Cytometry 1:10-1:1000. Use reported by customer review, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:10-1:500, Multiplex Immunofluorescence
<b>Application Notes</b>	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.

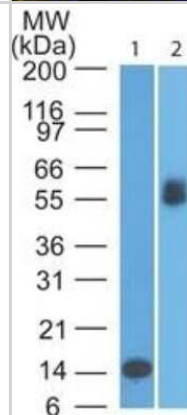


## Images

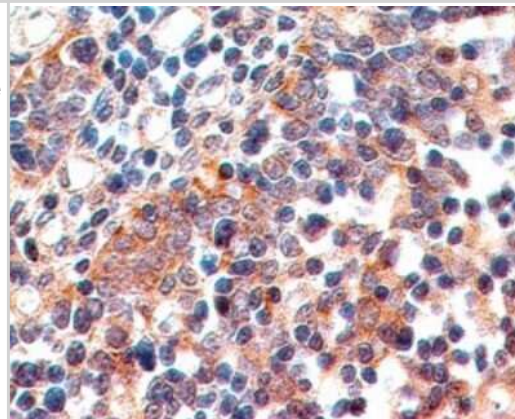
B7-1/CD80 was detected in immersion fixed paraffin-embedded sections of human Hodgkin's Lymphoma using Mouse Anti-Human B7-1/CD80, Monoclonal Antibody at 20ug/mL at 37°Celsius for 4 minutes. Before incubation with the primary antibody, tissue underwent an all-in-one dewaxing and antigen retrieval preprocessing 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](#).



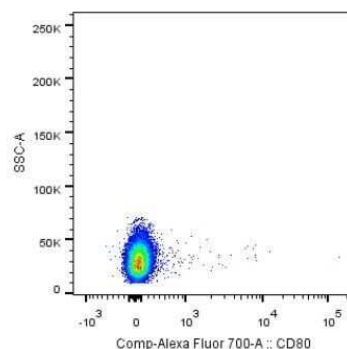
Western Blot: B7-1/CD80 Antibody (62N3G8) - Azide and BSA Free [NBP2-80588] - Analysis of CD80 in A) a partial recombinant protein and B) Daudi lysate using this antibody at 0.1 and 1 g/ml, respectively. Goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test. Image from the standard format of this antibody.



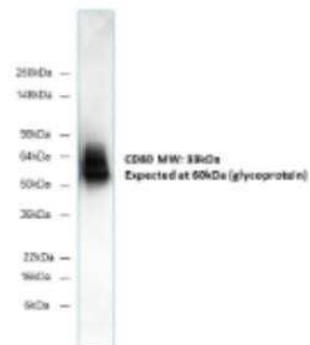
Immunocytochemistry: B7-1/CD80 Antibody (62N3G8) - Azide and BSA Free [NBP2-80588] - Human thymus stained with CD80 antibody at 5 ug/ml using peroxidase-conjugate and DAB chromogen. Note membrane and cytoplasmic staining. Image from the standard format of this antibody.



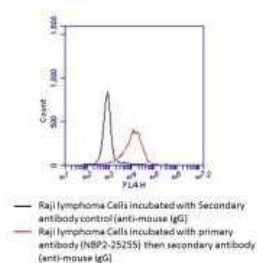
Flow Cytometry: B7-1/CD80 Antibody (62N3G8) - Azide and BSA Free [NBP2-80588] - Analysis using the Alexa Fluor (R) 700 conjugate of NBP2-25255. Staining of CD80 in human PBMC (monocyte depleted) using anti-CD80 antibody. Image from verified customer review. Image from the standard format of this antibody.



Western Blot: B7-1/CD80 Antibody (62N3G8) - Azide and BSA Free [NBP2-80588] - Analysis in human Raji lymphoma cells. Image from the standard format of this antibody.



Flow Cytometry: B7-1/CD80 Antibody (62N3G8) - Azide and BSA Free [NBP2-80588] - Raji lymphoma cells. Image from verified customer review. Image from the standard format of this antibody.





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### **Products Related to NBP2-80588**

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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)

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### **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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