

# 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

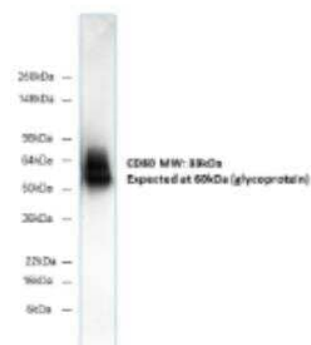
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	62N3G8
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein G purified
Buffer	PBS

Product Description	
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.

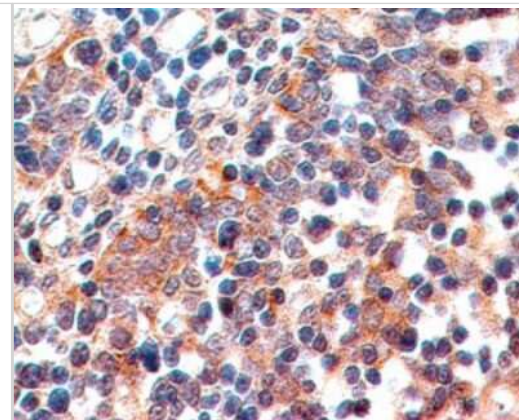
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot reported by customer review, Flow Cytometry 1:10-1:1000. Use reported by customer review, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
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**

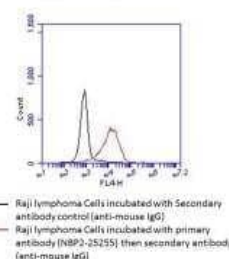
Western Blot: B7-1/CD80 Antibody (62N3G8) [NBP2-25255] - Analysis in human Raji lymphoma cells.



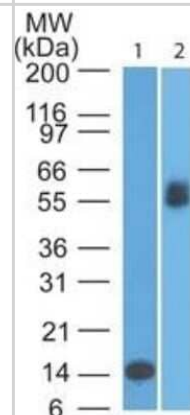
Immunohistochemistry-Paraffin: B7-1/CD80 Antibody (62N3G8) [NBP2-25255] - Human thymus stained with CD80 antibody at 5 ug/ml using peroxidase-conjugate and DAB chromogen. Note membrane and cytoplasmic staining.



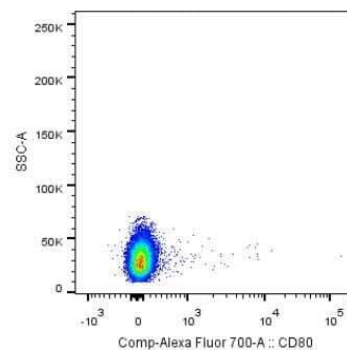
Flow Cytometry: B7-1/CD80 Antibody (62N3G8) [NBP2-25255] - Raji lymphoma cells. Image from verified customer review.



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- $\beta$ -myoCAF-Dependent Mechanism *Advanced science* (Weinheim, Baden-Wurttemberg, 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**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP2-25255AF700	B7-1/CD80 Antibody (62N3G8) [Alexa Fluor® 700]

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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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