

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

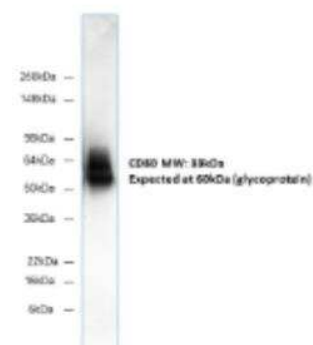
B7-1/CD80 Antibody (62N3G8) - BSA Free

| 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. |

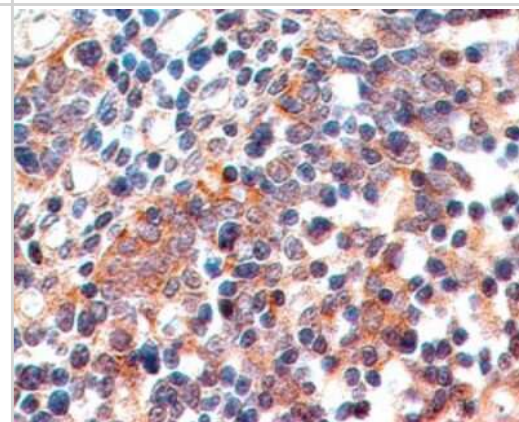


Images

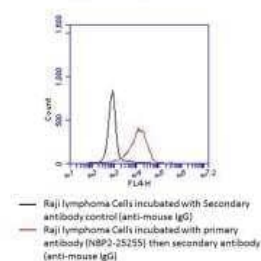
Western Blot: B7-1/CD80 Antibody (62N3G8) [NBP2-25255] - Analysis in human Raji lymphoma cells.



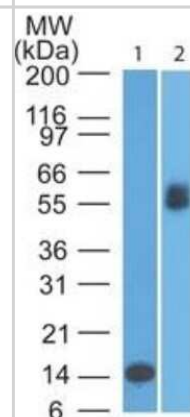
Immunohistochemistry-Paraffin: B7-1/CD80 Antibody (62N3G8) [NBP2-25255] - Human thymus stained with CD80 antibody at 5 ug/ml using peroxidase-conjugate and DAB chromogen. Note membrane and cytoplasmic staining.



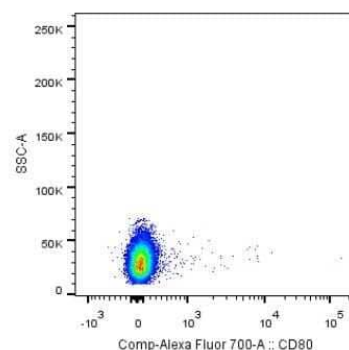
Flow Cytometry: B7-1/CD80 Antibody (62N3G8) [NBP2-25255] - Raji lymphoma cells. Image from verified customer review.



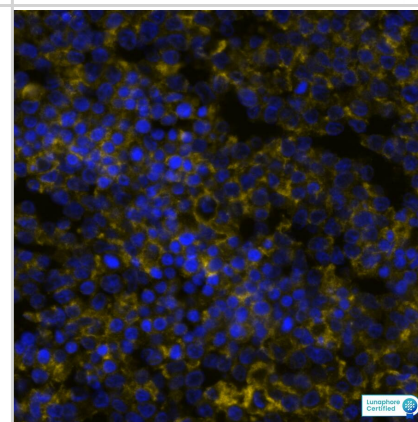
Western Blot: B7-1/CD80 Antibody (62N3G8) [NBP2-25255] - Analysis of CD80 in A) a partial recombinant protein and B) Daudi lysate using this antibody at 0.1 and 1 g/ml, respectively. Goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



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.



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](#).



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-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

| | |
|------------------|---|
| 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) |
| NBP2-25255AF488 | B7-1/CD80 Antibody (62N3G8) [Alexa Fluor® 488] |

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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