

# Product Datasheet

## **B7-2/CD86 Antibody (BU63) - Azide and BSA Free NBP2-34569-0.1mg**

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP2-34569-0.1mg**

B7-2/CD86 Antibody (BU63) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	BU63
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	70 kDa

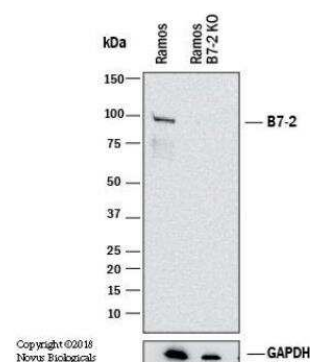
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-25208).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	942
Gene Symbol	CD86
Species	Human, Mouse, Rat
Marker	Dendritic Cells Maturation Marker
Immunogen	ARH-77 (B-lymphoblastoid cell line)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready, Knockout Validated
Recommended Dilutions	Western Blot 0.5-1ug/ml, Flow Cytometry 1-2ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2ug/ml, Immunohistochemistry-Paraffin 2-4ug/ml, Immunohistochemistry-Frozen 0.5-1ug/ml, CyTOF-ready, Knockout Validated
Application Notes	Immunohistochemistry (Formalin-fixed): 2-4ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. IHC-fr reported in the literature (PMID: 29867472, 31629891)

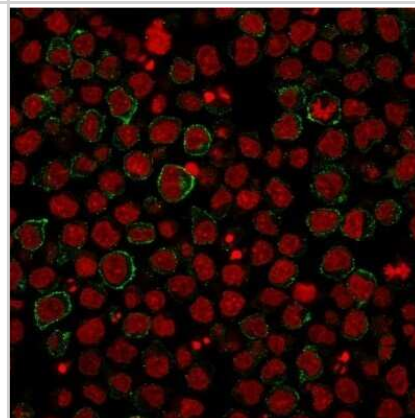


## Images

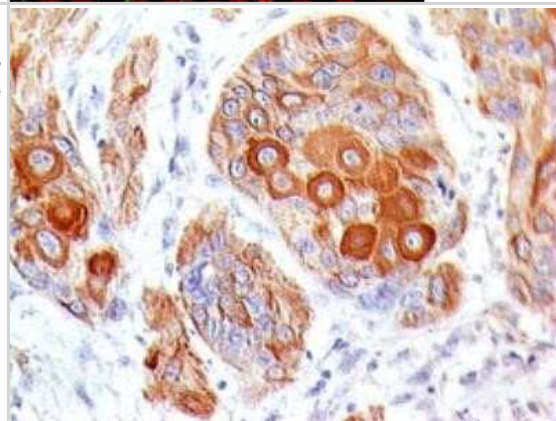
**Knockout Validated: B7-2/CD86 Antibody (BU63) - Azide and BSA Free [NBP2-34569]** - Western blot shows lysates of Ramos human Burkitt's lymphoma parental cell line and B7-2 knockout (KO) Ramos cell line. PVDF membrane was probed with 1.0 ug/mL of Mouse Anti-Human B7-2 Monoclonal Antibody (Catalog # NBP2-34569) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog #HAF018). Specific band was detected for B7-2 at approximately 90 kDa (as indicated) in the parental Ramos cell line, but is not detectable in the knockout Ramos cell line. This experiment was conducted under reducing conditions.



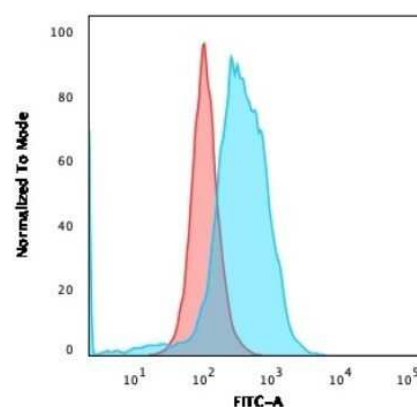
**Immunocytochemistry/Immunofluorescence: B7-2/CD86 Antibody (BU63) - Azide and BSA Free [NBP2-34569]** - Immunofluorescence staining of PFA-fixed Ramos cells using B7-2/CD86 Antibody (BU63) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Red Dot.



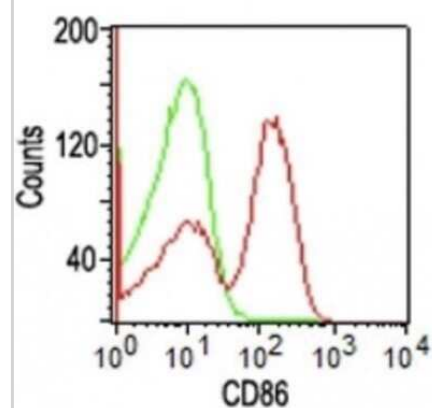
**Immunohistochemistry-Paraffin: B7-2/CD86 Antibody (BU63) - Azide and BSA Free [NBP2-34569]** - Formalin-fixed, paraffin-embedded esophagus tumor tissue stained with CD86 antibody (5 ug/ml), peroxidase-conjugate and DAB chromogen. Note strong staining of differentiated squamous cells. TMA was used for this test.



**Flow Cytometry: B7-2/CD86 Antibody (BU63) - Azide and BSA Free [NBP2-34569]** - Flow Cytometric Analysis of PFA-fixed Ramos cells. B7-2/CD86 Antibody (BU63) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Flow Cytometry: B7-2/CD86 Antibody (BU63) - Azide and BSA Free [NBP2-34569] - Flow Cytometric Analysis of human PBMCs using B7-2/CD86 Antibody (BU63); Goat anti-Mouse IgG-CF488 (red); Isotype Control (green).





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### **Products Related to NBP2-34569-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-77486-50ug	Recombinant Human B7-2/CD86 His Protein

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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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