

# Product Datasheet

## **B7-2/CD86 Antibody (SJ20-00)** **NBP2-67417**

Unit Size: 100 ul

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

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**NBP2-67417**

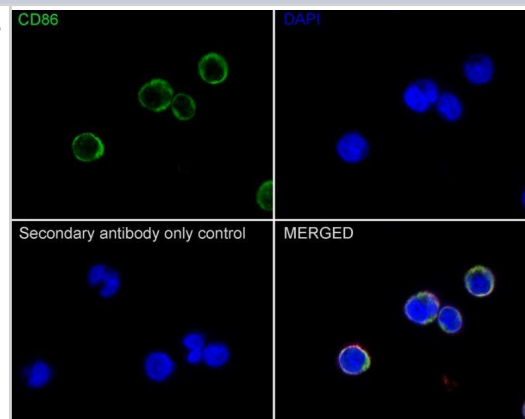
B7-2/CD86 Antibody (SJ20-00)

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 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>	SJ20-00
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	TBS (pH7.4), 0.05% BSA, 40% Glycerol
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit B7-2/CD86 Antibody (SJ20-00) (NBP2-67417) is a recombinant monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-B7-2/CD86 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	942
<b>Gene Symbol</b>	CD86
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Synthetic peptide within Human B7-2/CD86 aa 1-50 / 329. (SwissProt: P42081 Human; Entrez Gene:56822 Rat)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Immunocytochemistry/ Immunofluorescence 1:500, Immunoprecipitation Use at an assay dependent concentration

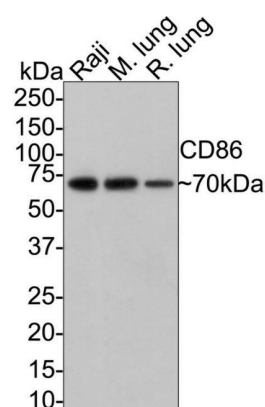


## Images

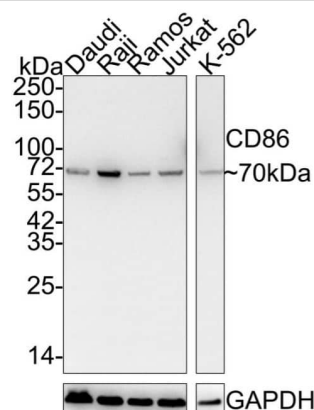
**Immunocytochemistry/Immunofluorescence: B7-2/CD86 Antibody (SJ20-00) [NBP2-67417]** - Analysis of Raji cells labeling CD86 with Rabbit anti-CD86 antibody at 1/500 dilution. Cells were fixed in 100% precooled methanol for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-CD86 antibody at 1/500 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488, was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI. Beta tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 594, was used as the secondary antibody at 1/1,000 dilution.



**Western Blot: B7-2/CD86 Antibody (SJ20-00) [NBP2-67417]** - Analysis of CD86 on different lysates with Rabbit anti-CD86 antibody at 1/1,000 dilution. Lane 1: Raji cell lysate (10 ug/Lane) Lane 2: Mouse lung tissue lysate (20 ug/Lane) Lane 3: Rat lung tissue lysate (20 ug/Lane) Predicted band size: 38 kDa Observed band size: 70 kDa Exposure time: 1 minute; 4-20% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:100,000 dilution was used for 1 hour at room temperature.



**Western Blot: B7-2/CD86 Antibody (SJ20-00) [NBP2-67417]** - Analysis of CD86 on different lysates with Rabbit anti-CD86 antibody at 1/2,000 dilution. Lane 1: Daudi cell lysate Lane 2: Raji cell lysate Lane 3: Ramos cell lysate Lane 4: Jurkat cell lysate Lane 5: K-562 cell lysate Lysates/proteins at 15 ug/Lane. Predicted band size: 38 kDa Observed band size: 70 kDa Exposure time: 2 minutes 37 seconds; 4-20% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody at 1/2,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:100,000 dilution was used for 1 hour at room temperature.



## Publications

Chen K, Wei X, Zhang W et al. Bone morphogenetic protein 4 derived from the cerebrospinal fluid in patients with postherpetic neuralgia induces allodynia via the crosstalk between microglia and astrocyte Brain Behav Immun 2024-06-09 [PMID: 38735405]

Kadowaki M, Yoshida S, Itoyama T et al. Involvement of M1/M2 Macrophage Polarization in Reparative Dentin Formation Life (Basel, Switzerland) 2022-11-07 [PMID: 36362965] (IHC-P, Rat)

Details:

Dilution used for IHC-P 1:50

Zavatti M, Beretti F, Casciaro F et al. Comparison of the therapeutic effect of amniotic fluid stem cells and their exosomes on monoiodoacetate-induced animal model of osteoarthritis Biofactors 2019-10-18 [PMID: 31625201] (IF/IHC)



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### **Products Related to NBP2-67417**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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