

Product Datasheet

B7-2/CD86 Antibody AF-441-SP

Unit Size: 25 ug

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

www.novusbio.com



technical@novusbio.com

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AF-441-SP

B7-2/CD86 Antibody

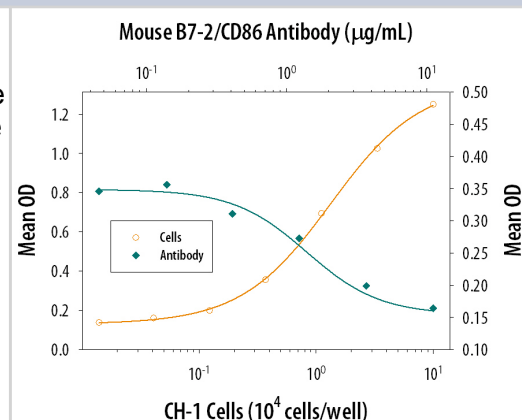
Product Information	
Unit Size	25 ug
Concentration	LYOPH mg/ml
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute at 0.2 mg/mL in sterile PBS.
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. *Small pack size (SP) is supplied as a 0.2 µm filtered solution in PBS.

Product Description	
Host	Goat
Gene ID	942
Gene Symbol	CD86
Species	Mouse
Specificity/Sensitivity	Detects mouse B7-2/CD86 in direct ELISAs and Western blots. In direct ELISAs and Western blots (non-reducing and reducing conditions), less than 15% cross-reactivity with recombinant human B7-2 is observed.
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant mouse B7-2/CD86 Extracellular domain
Notes	This product is produced by and ships from R&D Systems, Inc., a Bio-Techne brand.
Endotoxin Note	<0.10 EU per 1 µg of the antibody by the LAL method.

Product Application Details	
Applications	Western Blot, Neutralization
Recommended Dilutions	Western Blot 0.1 ug/mL, Neutralization 2-5 ug/mL

Images

The CH-1 mouse B cell lymphoma cell line, which expresses B7-1 and B7-2 on the cell surface, co-stimulates IL-2 secretion in the Jurkat human acute T cell leukemia cell line in the presence of PHA (10 µg/mL) in a dose-dependent manner (orange line), as measured by the Human IL-2 Quantikine ELISA Kit (Catalog # [D2050](#)). Under these conditions, IL-2 secretion elicited by CH-1 cells is neutralized (green line) by increasing concentrations of Goat Anti-Mouse B7-2/CD86 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF-441-NA). The ND50 is typically 2-5 µg/mL.



Publications

He H, Li W, Chen SY, Zhang S, Chen YT, Hayashida Y, Zhu YT, Tseng SC Suppression of activation and induction of apoptosis in RAW264.7 cells by amniotic membrane extract. Invest. Ophthalmol. Vis. Sci., 2008;49(10):4468-75. 2008 [PMID: 18614802] (ICC, , Mouse)

Sofra V, Mansour S, Liu M, Gao B, Primpidou E, Wang P, Li S Antigen-loaded ER microsomes from APC induce potent immune responses against viral infection. Eur. J. Immunol., 2009;39(1):85-95. 2009 [PMID: 19089809] (WB, , Mouse)



Novus Biologicals USA

8100 Southpark Way, A-8
Littleton, CO 80120
USA

Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

Novus Biologicals Canada

461 North Service Road West, Unit B37
Oakville, ON L6M 2V5
Canada

Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada@novusbio.com

Novus Biologicals Europe®

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

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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