

Product Datasheet

Recombinant Mouse B7-1/CD80 Protein NBP2-26578

Unit Size: 0.05 mg

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

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-26578

Updated 10/23/2024 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-26578

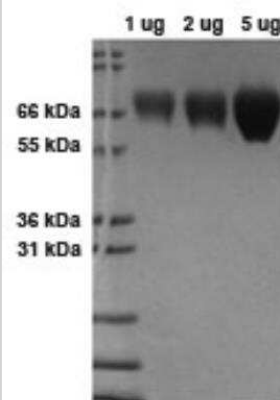


NBP2-26578**Recombinant Mouse B7-1/CD80 Protein**

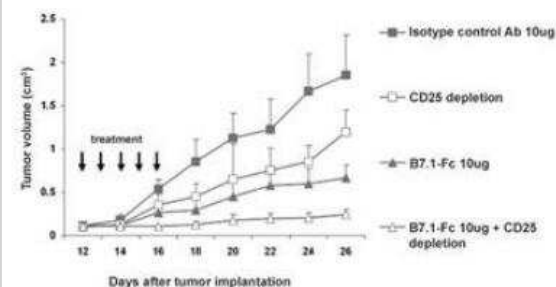
Product Information	
Unit Size	0.05 mg
Concentration	2.0 mg/ml
Storage	Store at -80C. Avoid freeze-thaw cycles.
Purity	Protein A purified
Buffer	Phosphate-buffered solution, pH 7.2, containing no preservative. 0.2 um filter sterilized.
Target Molecular Weight	66 kDa
Product Description	
Description	<p>A recombinant protein corresponding to CD80.</p> <p>Amino Acid Sequence: <u>MGHTRRQGTSPSKCPYLNFFQLLVLAGLSHFCSGVIHVTKEVKEVATL</u> <u>SCGHNVSVEELAQTRIYWQKEKKMVLTMMSGDMNIWPEYKNRTIFDI</u> <u>TNNLSIVILALRPSDEGTYECVVLKYEKDAFKREHLAEVTL SVKADFPT</u> <u>PSISDFEIPTSNIRRIICSTSGGFPEPHLSWLENGEELNAINTTVSQDPETEL</u> <u>YAVSSKLDENMTTNHSEFMCLIKYGHLRVNQTFNWNTTKQEHPDDKTH</u> <u>CPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWY</u> <u>V DGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKV</u> <u>SNKALPAIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDI</u> <u>AVEWESNGQPENNYKTTTPVLDSGDSFFLYSKLTVDKSRWQQGNVVFSCSVM</u> <u>HEALHNHYTQKSLSLSPGK</u> Extracellular domain (amino acids 1-241) of human B7.1 sequence is underlined. Human Fc sequence is in italics.</p>
Gene ID	941
Gene Symbol	CD80
Species	Mouse
Details of Functionality	Can be used as an effective anti-tumor agent in combination with Treg depletion. May block binding of membrane bound B7.1 with its receptors, CD28 and CTLA-4, thereby sustaining the activation of tumor specific T cells or preventing their down regulation.
Endotoxin Note	Endotoxin level < 0.1 EU/ug of the protein (< 0.01 ng/ug of the protein) as determined by the LAL test.
Product Application Details	
Applications	SDS-Page, Cell depletion
Recommended Dilutions	SDS-Page, Cell depletion
Application Notes	Can be used as an effective anti-tumor agent in combination with Treg depletion. May block binding of membrane bound B7.1 with its receptors, CD28 and CTLA-4, thereby sustaining the activation of tumor specific T cells or preventing their down regulation

Images

SDS-Page: Recombinant Mouse B7-1/CD80 Protein [NBP2-26578] - SDS-PAGE analysis of recombinant B7.1-Fc to demonstrate purity of protein.



Bioactivity: Recombinant Mouse B7-1/CD80 Protein [NBP2-26578] - Effect of B7.1-Fc on the growth of tumor cells. B7.1-Fc fusion protein prevents growth of mouse solid tumor, RENCA. The immunotherapy is more more effective in combination with CD25+ depletion and B7.1-Fc fusion protein (PMID: 16322313)





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

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.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-26578

NBP2-48954PEP	B7-1/CD80 Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]
MAB140-100	B7-1/CD80 Antibody (37711) [Unconjugated]
6507-IL-010/CF	IL-4 [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-26578

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

