

Product Datasheet

CD4 Antibody (CE9.1 (Clenoliximab)) - Chimeric - Azide and BSA Free NBP2-52681-0.2mg

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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technical@novusbio.com

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NBP2-52681-0.2mg

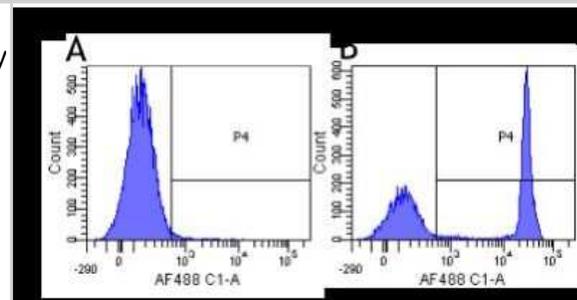
CD4 Antibody (CE9.1 (Clenoliximab)) - Chimeric - Azide and BSA Free

| Product Information | |
|-----------------------------|--|
| Unit Size | 0.2 mg |
| Concentration | 1 mg/ml |
| Storage | Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C. |
| Clonality | Monoclonal |
| Clone | CE9.1 (Clenoliximab) |
| Preservative | 0.02% Proclin 300 |
| Isotype | IgG Lambda |
| Purity | Protein A purified |
| Buffer | PBS |
| Product Description | |
| Description | Novus Biologicals Rabbit CD4 Antibody (CE9.1 (Clenoliximab)) - Chimeric - Azide and BSA Free (NBP2-52681) is a recombinant monoclonal antibody validated for use in IHC, WB, ELISA and Flow. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Rabbit |
| Gene ID | 920 |
| Gene Symbol | CD4 |
| Species | Human, Chimpanzee |
| Specificity/Sensitivity | The antibody binds to human CD4 with a Kd of 1.0 nM and an ED50 of 0.2 ug/ml. |
| Immunogen | Domain 1 of human CD4. |
| Product Application Details | |
| Applications | Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Block/Neutralize, CyTOF-ready, Surface Plasmon Resonance |
| Recommended Dilutions | Western Blot, Flow Cytometry 1:10 - 1:1000 Blocking/Neutralizing 50 - 200 molar excess, ELISA 1:100 - 1:2000, Immunohistochemistry 1:10 - 1:500, Surface Plasmon Resonance, CyTOF-ready, Block/Neutralize |
| Application Notes | This antibody is Cytof ready. NOT FOR THERAPEUTIC USE - This is a research-grade biosimilar. This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG4 (primatized) format, for improved compatibility with existing reagents, assays and techniques. The antibody binds specifically to CD4, a molecule which is part of the immunoglobulin super-family, expressed on the surface of helper T cells. The CD4 molecule acts as a co-receptor in the activation of T cells, aiding the interaction between the TCR and MHC II of the antigen-presenting cell. The antibody is classified as "primatized", as the variable regions of the light and heavy chains are obtained from primates, while the lamda light chain and gamma-4 heavy chain constant domains are human. The antibody was engineered from the primatized IgG1 monoclonal antibody Keliximab by substituting two key residues. The role of the antibody as an immunosuppressor has been tested in vivo, by intravenous administration in chimpanzees and human volunteers. The antibody reached Phase II clinical trials with Biogen-Idec. |



Images

Flow Cytometry: CD4 Antibody (CE9.1 (Clenoliximab)) - Chimeric [NBP2-52681] - Flow-cytometry using the anti-CD4 research biosimilar antibody Clenoliximab (NBP2-52681) Human lymphocytes were stained with an isotype control (panel A) or the rabbit-chimeric version of Clenoliximab (panel B) at a concentration of 1 ug/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow-cytometer.





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 NBP2-52681-0.2mg

| | |
|---------------|---|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP1-19371PEP | CD4 Antibody Blocking Peptide |
| 210-TA-005 | TNF-alpha [Unconjugated] |

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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