

# Product Datasheet

## CD3 delta Antibody (2R1010)

### NBP3-16881-100ul

Unit Size: 100 ul

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

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Updated 9/9/2025 v.20.1

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**NBP3-16881-100ul**

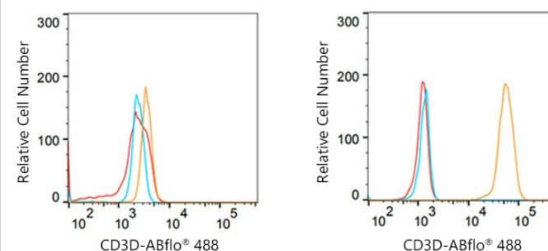
CD3 delta Antibody (2R1O10)

| Product Information         |                                                                                                                                                                                                                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 100 ul                                                                                                                                                                                                                                                                                                               |
| Concentration               | Please see the vial label for concentration. If unlisted please contact technical services.                                                                                                                                                                                                                          |
| Storage                     | Store at -20C. Avoid freeze-thaw cycles.                                                                                                                                                                                                                                                                             |
| Clonality                   | Monoclonal                                                                                                                                                                                                                                                                                                           |
| Clone                       | 2R1O10                                                                                                                                                                                                                                                                                                               |
| Preservative                | 0.02% Sodium Azide                                                                                                                                                                                                                                                                                                   |
| Isotype                     | IgG                                                                                                                                                                                                                                                                                                                  |
| Purity                      | Affinity purified                                                                                                                                                                                                                                                                                                    |
| Buffer                      | PBS (pH 7.3), 50% glycerol, 0.05% BSA                                                                                                                                                                                                                                                                                |
| Target Molecular Weight     | 19 kDa                                                                                                                                                                                                                                                                                                               |
| Product Description         |                                                                                                                                                                                                                                                                                                                      |
| Description                 | Novus Biologicals Rabbit CD3 delta Antibody (2R1O10) (NBP3-16881) is a recombinant monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.                                                                                     |
| Host                        | Rabbit                                                                                                                                                                                                                                                                                                               |
| Gene ID                     | 915                                                                                                                                                                                                                                                                                                                  |
| Gene Symbol                 | CD3D                                                                                                                                                                                                                                                                                                                 |
| Species                     | Human                                                                                                                                                                                                                                                                                                                |
| Immunogen                   | A synthetic peptide corresponding to a sequence within amino acids 72-171 of human CD3 delta (P04234).<br>RCNGTDIYKDKESTVQVHYRMCQSCVELDPATVAGIIVTDVIATLLLALGVFCFA<br>GHETGRLSGAADTQALLRNDQVYQPLRDRDDAQYSHLGGNWARNK                                                                                                   |
| Product Application Details |                                                                                                                                                                                                                                                                                                                      |
| Applications                | Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry                                                                                                                                                                                    |
| Recommended Dilutions       | Western Blot 1:500 - 1:1000, Flow Cytometry 1:50 - 1:200, ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements., Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50 - 1:200, Immunohistochemistry-Paraffin 1:200 - 1:800 |

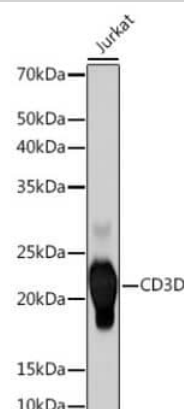


## Images

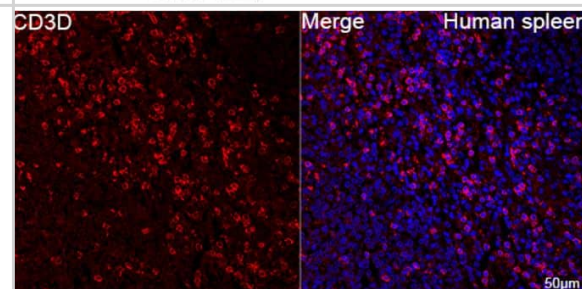
**Flow Cytometry:** CD3 delta Antibody (2R1O10) [NBP3-16881] -  $1 \times 10^6$  Raji cells (negative control, left) and Jurkat cells (right) were surface-stained with CD3D Rabbit mAb (2.5  $\mu\text{g/mL}$  orange line) or ABflo® 488 IgG isotype control (2.5  $\mu\text{g/mL}$ , blue line). Non-fluorescently stained cells were used as blank control (red line).



**Western Blot:** CD3 delta Antibody (2R1O10) [NBP3-16881] - Western blot analysis of extracts of Jurkat cells, using CD3 delta Rabbit mAb (NBP3-16881) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25  $\mu\text{g}$  per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



**Immunohistochemistry-Paraffin:** CD3 delta Antibody (2R1O10) [NBP3-16881] - Confocal imaging of paraffin-embedded Human spleen tissue using CD3D Rabbit mAb (dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.





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### **Products Related to NBP3-16881-100ul**

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|            |                                                     |
|------------|-----------------------------------------------------|
| HAF008     | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160     | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control                          |
| 210-TA-005 | TNF-alpha [Unconjugated]                            |

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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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