

Product Datasheet

CD45 Antibody - BSA Free **NBP2-15811**

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-15811

Updated 9/9/2025 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/NBP2-15811



NBP2-15811

CD45 Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	147 kDa

Product Description

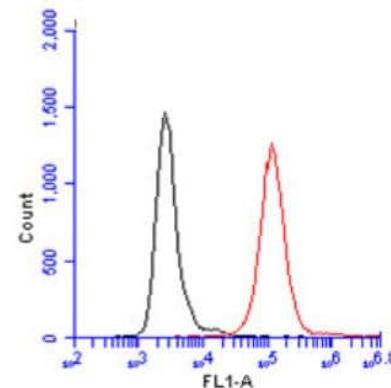
Description	Novus Biologicals Rabbit CD45 Antibody - BSA Free (NBP2-15811) is a polyclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-CD45 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5788
Gene Symbol	PTPRC
Species	Human, Mouse, Rat, Rabbit
Reactivity Notes	CD45 Antibody shows reactivity with Equine as reported in (PMID: 30297648). Immunogen displays the following percentage of sequence identity for non-tested species: Bovine (>80%).
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human CD45. The exact sequence is proprietary.

Product Application Details

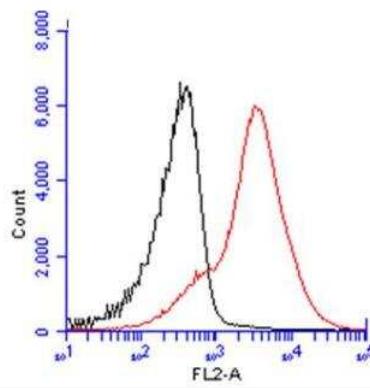
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:3000, Flow Cytometry 1:50-1:200, Immunohistochemistry Assay dependent, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin Assay dependent

Images

Flow Cytometry: CD45 Antibody [NBP2-15811] - THP-1 cell. Black: Unlabelled sample was used as a control. Red: CD45 antibody [NBP2-15811], dilution: 1:50.



Flow Cytometry: CD45 Antibody [NBP2-15811] - Mouse splenocytes cell fixed in 4% paraformaldehyde at 4 C for 15 min. Black: Unlabelled sample was used as a control. Red: CD45 antibody [NBP2-15811], dilution: 1:50. Acquisition of 20,000 events were collected using a Dylight 488- Conjugated secondary antibody for FACS analysis.

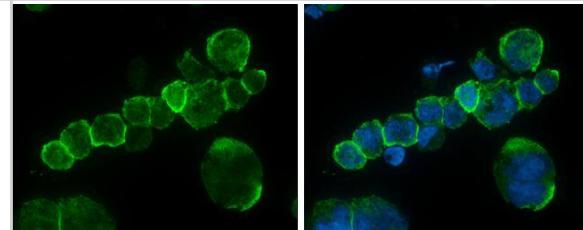


CD45 antibody detects CD45 protein at cell membrane by immunofluorescent analysis.

Sample: THP-1 cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: CD45 protein stained by CD45 antibody (NBP2-15811) diluted at 1:500.

Blue: Hoechst 33342 staining.



Publications

Lite C, Tiwary R, Calderon A et al. Identification and characterization of a novel CD2-positive cell population in the seminiferous tubule of Fischer CDF344 rats Biology of Reproduction 2025-07-23 [PMID: 40699001]

More S, Bonnereau J, Wouters D et al. Secreted Apoe rewires melanoma cell state vulnerability to ferroptosis. Science advances 2024-10-16 [PMID: 39413195]

Kornicka K, Smieszek A, Sztapka-Kosarzewska J et al. Characterization of Apoptosis, Autophagy and Oxidative Stress in Pancreatic Islets Cells and Intestinal Epithelial Cells Isolated from Equine Metabolic Syndrome (EMS) Horses Int J Mol Sci 2018-10-08 [PMID: 30297648] (FLOW, Equine)

Volden TA, Reyelts CD, Hoke TA et al. Validation of Flow Cytometry and Magnetic Bead-Based Methods to Enrich CNS Single Cell Suspensions for Quiescent Microglia. J Neuroimmune Pharmacol 2015-12-01 [PMID: 26260923]



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 NBP2-15811

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-51591-0.02mg	Recombinant Human CD45 His Protein

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.

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/NBP2-15811

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