

# 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](http://www.novusbio.com)



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### Publications: 4

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**NBP2-15811**

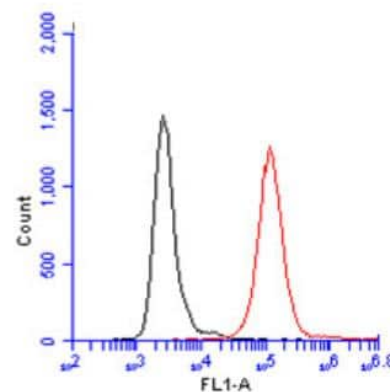
CD45 Antibody - BSA Free

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

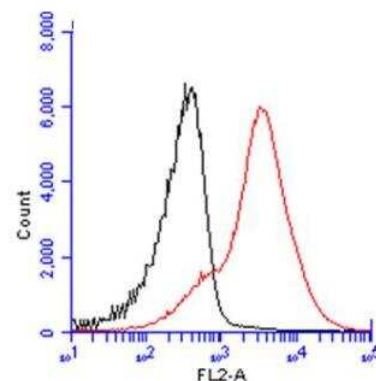


## Images

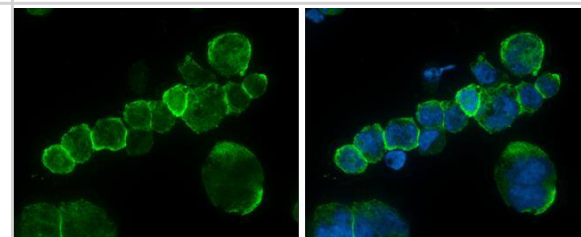
Flow Cytometry: CD45 Antibody [NBP2-15811] - THP-1 cell. Black: Unlabelled sample was used as a control. Red: CD45 antibody [NBP2-15811], dilution: 1:50.



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]



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### **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](http://www.novusbio.com/guarantee)

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