

Product Datasheet

CD45 Antibody - BSA Free NBP2-15811

Unit Size: 0.1 ml

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

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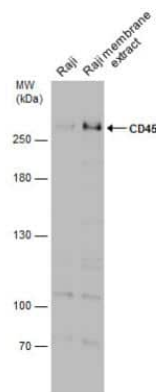
NBP2-15811

CD45 Antibody - BSA Free

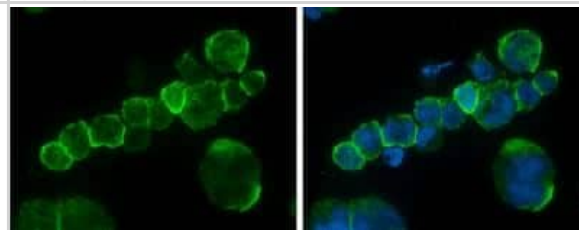
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity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

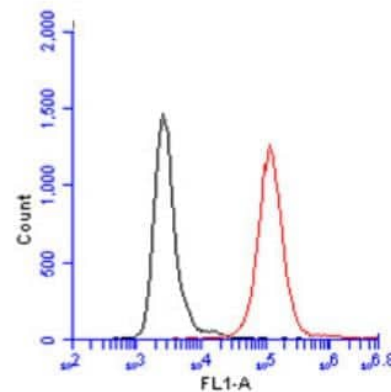
Western Blot: CD45 Antibody [NBP2-15811] - Raji whole cell and membrane extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with CD45 antibody [NBP2-15811] diluted at 1:1000. Observed molecular weight ~300 kDa.



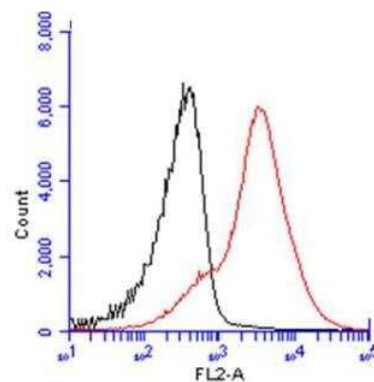
Immunocytochemistry/Immunofluorescence: CD45 Antibody [NBP2-15811] - THP-1 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: CD45 protein stained by CD45 antibody [NBP2-15811] diluted at 1:500. Blue: Hoechst 33342 staining.



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.



Publications

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.

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