

Product Datasheet

CD45 Antibody (HI30) - BSA Free NBP1-79127

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NBP1-79127

CD45 Antibody (HI30) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	HI30
Preservative	15mM Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	Phosphate buffered saline (PBS), pH 7.4
Target Molecular Weight	147 kDa

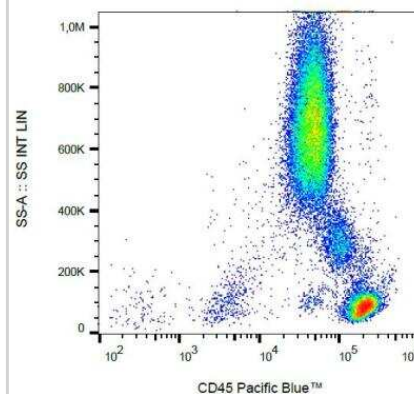
Product Description	
Description	Novus Biologicals Mouse CD45 Antibody (HI30) - BSA Free (NBP1-79127) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. Anti-CD45 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	5788
Gene Symbol	PTPRC
Species	Human, Primate
Specificity/Sensitivity	The mouse monoclonal CD45 Antibody (HI30) recognizes all isoforms of human CD45 antigen (Leukocyte Common Antigen), a 180-220 kDa single chain type I transmembrane protein expressed at high level on all cells of hematopoietic origin, except erythrocytes and platelets. HLDA IV; WS Code N816
Immunogen	This CD45 Antibody (HI30) was made against an amino acid sequence that is conserved among all CD45 isoforms.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Flow (Cell Surface), Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1 ug/ml, Flow Cytometry 1-4 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:50, Immunohistochemistry-Paraffin 1:200, Immunohistochemistry-Frozen 1:200, Flow (Cell Surface) 1:500, Flow (Intracellular) 1:500, CyTOF-ready
Application Notes	This antibody is Cytof ready.

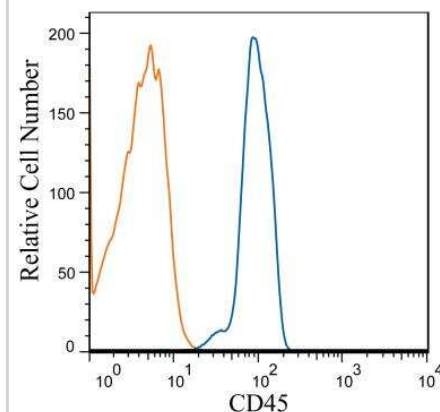


Images

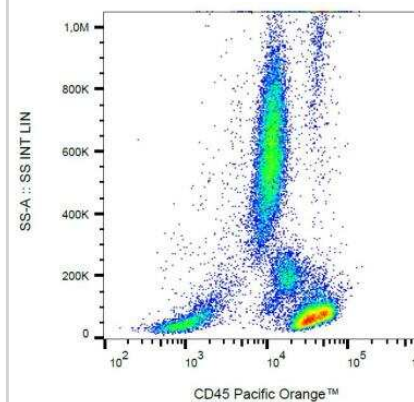
Flow Cytometry: CD45 Antibody (HI30) [NBP1-79127] - Surface staining of human peripheral blood cells with anti-human CD45 antibody (HI30) [NBP1-79127] Pacific Blue™.



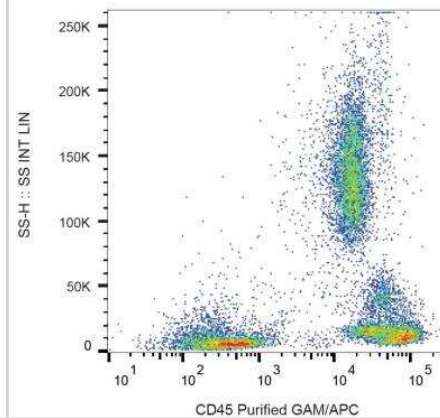
Flow (Cell Surface): CD45 Antibody (HI30) [NBP1-79127] - hPBMC cells were stained with CD45 antibody (HI30) [NBP1-79127] (blue) and a matched isotype control [NBP2-27287] (orange). Cells were incubated in an antibody dilution of 1 ug/mL for 20 minutes at room temperature. The antibodies were directly conjugated to Alexa Flour 488.



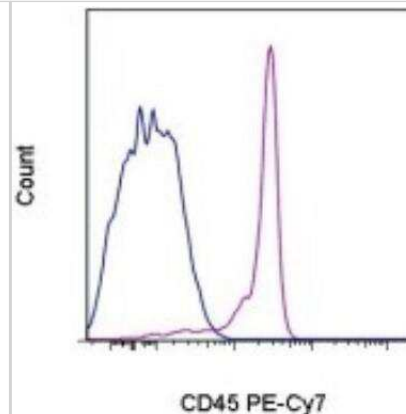
Flow Cytometry: CD45 Antibody (HI30) [NBP1-79127] - Surface staining of human peripheral blood cells with anti-human CD45 antibody (HI30) [NBP1-79127] Pacific Orange™.



Flow Cytometry: CD45 Antibody (HI30) [NBP1-79127] - Surface staining of human peripheral blood cells with anti-human CD45 antibody (HI30) [NBP1-79127] purified, GAM-APC.



Flow Cytometry: CD45 Antibody (HI30) [NBP1-79127] - Analysis of PE/Cy7 conjugate of CD45 antibody (HI30) [NBP1-79127]. Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control PE-Cy7 (blue histogram) or Anti-Human CD45 PE-Cy7 (purple histogram). Cells in the lymphocyte gate were used for analysis.



Flow (Cell Surface): CD45 Antibody (HI30) [NBP1-79127] - Flow (Cell Surface): Cell surface staining of PBMC's (Lymphocyte gate at 1×10^6 cells/ml) with CD45 antibody (HI30) [Alexa Fluor (R) 647] [NBP1-79127AF647] (orange) stained at a dilution of 1:500. Shown with mIgG1 (AF647 conjugated) Isotype control (blue). Image using the Alexa Fluor 647 form of this antibody.



Publications

Vardas V, Tolios A, Christopoulou A et al. Immune Checkpoint and EMT-Related Molecules in Circulating Tumor Cells (CTCs) from Triple Negative Breast Cancer Patients and Their Clinical Impact Cancers 2023-03-25 [PMID: 37046635] (ICC/IF, Human)

Kallergi Galatea, Vetsika Eleni-Kyriaki, Aggouraki Despoina et al Evaluation of PD-L1/PD-1 on circulating tumor cells in patients with advanced non-small cell lung cancer. Ther Adv Med Oncol. 2018-01-15 [PMID: 29383038] (ICC/IF, Human)

Details:

Citation using the Alexa Fluor 647 version of this antibody.

Po JW, Ma Y, Balakrishna B et al. Immunomagnetic isolation of circulating melanoma cells and detection of PD-L1 status. PLoS One. 2019-02-08 [PMID: 30735560] (FLOW, Human)

Details:

Citation using the Azide and BSA Free form of this antibody.



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Products Related to NBP1-79127

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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