

Product Datasheet

CD45 Antibody (MEM-28) [Allophycocyanin] NB500-633

Unit Size: 100 Tests

Store at 4C in the dark.

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NB500-633

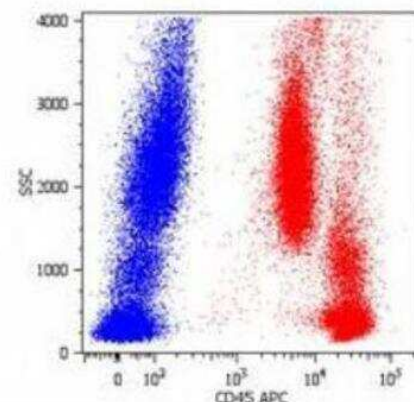
CD45 Antibody (MEM-28) [Allophycocyanin]

Product Information	
Unit Size	100 Tests
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	MEM-28
Preservative	0.9% Sodium Azide
Isotype	IgG1
Conjugate	Allophycocyanin
Purity	Size Exclusion Chromatography
Buffer	PBS and 0.2% (w/v) high grade BSA (protease free)
Target Molecular Weight	147 kDa
Product Description	
Host	Mouse
Gene ID	5788
Gene Symbol	PTPRC
Species	Human, Mouse, Equine (Negative)
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 27272386). Please note that CD45 Antibody (MEM-28) is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	CD45 Antibody (MEM-28) reacts with all alternative forms 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 III; WS Code NL 833a
Immunogen	This CD45 Antibody (MEM-28) was prepared from Human thymocytes and T lymphocytes.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 10 ul/100 ul of whole blood or 10 ⁶ cells in suspension, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500



Images

Flow Cytometry: CD45 Antibody (MEM-28) [Allophycocyanin] [NB500-633] - Surface staining of human peripheral blood cells with anti-human CD45 antibody (MEM-28) [Allophycocyanin].



Publications

Leukocyte Typing III, McMichael A J et al(Eds). Oxford University Press. 1987-01-01

Horejsi V, Angelisova P, Bazil V et al. Monoclonal antibodies against human leucocyte antigens II Antibodies against CD45 (T200), CD3 (T3), CD43, CD10 (CALLA), transferrin receptor (T9), a novel broadly expressed 18-kDa antigen (MEM-43) and a novel antigen of restricted expression (MEM-74) Folia Biol (Praha) 1905-06-10 [PMID: 2968928]

Details:

Used the Allophycocyanin form of this antibody.

Koethe S, Zander L, Koster S et al. CD45RB glycosylation is specifically regulated during human peripheral B cell differentiation J Leukoc Biol 2011-07-01 [PMID: 21278234]

Details:

This citation used the Allophycocyanin version of this antibody.

Drbal K, Moertelmaier M, Holzhauser C et al. Single-molecule microscopy reveals heterogeneous dynamics of lipid raft components upon TCR engagement Int Immunol 2007-05-01 [PMID: 17446208]

Details:

This citation used the Allophycocyanin version of this antibody.

Cermak L, Simova S, Pintzas A et al. Molecular mechanisms involved in CD43-mediated apoptosis of TF-1 cells; Roles of transcription Daxx expression, and adhesion molecules J Biol Chem 2002-03-08 [PMID: 11773067]

Details:

This citation used the Allophycocyanin version of this antibody.

Ilangumaran S, Briol A, Hoessli DC. CD44 selectively associates with active Src family protein tyrosine kinases Lck and Fyn in glycosphingolipid-rich plasma membrane domains of human peripheral blood lymphocytes Blood [PMID: 9573028]

Details:

Used the Allophycocyanin form of this antibody.



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 NB500-633

NBL1-14981	CD45 Overexpression Lysate
NBP1-97005APC	Mouse IgG1 Isotype Control (MG1) [Allophycocyanin]
NBP2-51591-0.02mg	Recombinant Human CD45 His Protein
210-TA-005	TNF-alpha [Unconjugated]

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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