

Product Datasheet

CD45 Antibody (PTPRC/1975R)

NBP3-07167-100ug

Unit Size: 100 ug

Store at 4C.

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NBP3-07167-100ug

CD45 Antibody (PTPRC/1975R)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	PTPRC/1975R
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

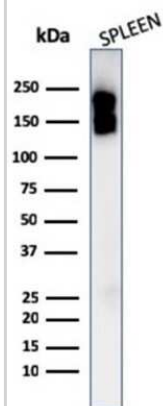
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP3-08910) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Rabbit
Gene ID	5788
Gene Symbol	PTPRC
Species	Human
Marker	B-Cell Marker
Specificity/Sensitivity	CD45R, also designated CD45 and PTPRC, has been identified as a transmembrane glycoprotein, broadly expressed among hematopoietic cells. Multiple isoforms of CD45R are distributed throughout the immune system according to cell type. These isoforms arise because of alternative splicing of exons 4, 5, and 6. The corresponding protein domains are characterized by the binding of monoclonal antibodies specific for CD45RA (exon 4), CD45RB (exon 5), CD45RC (exon 6) and CD45RO (exons 4 to 6 spliced out). The variation in these isoforms is localized to the extracellular domain of CD45R, while the intracellular domain is conserved. CD45R functions as a phosphor-tyrosine phosphatase. Antibody to CD45 is useful in differential diagnosis of lymphoid tumors from non-hematopoietic undifferentiated neoplasms.
Immunogen	Human recombinant full-length CD45 protein (Uniprot: P08575)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 0.5-1 ug/million cells, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

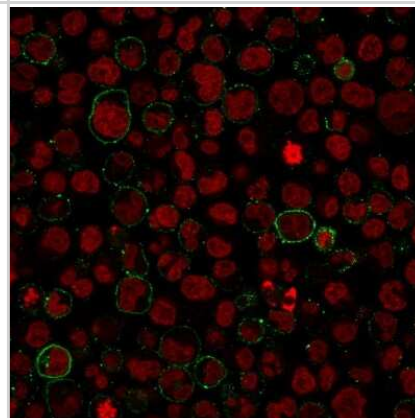


Images

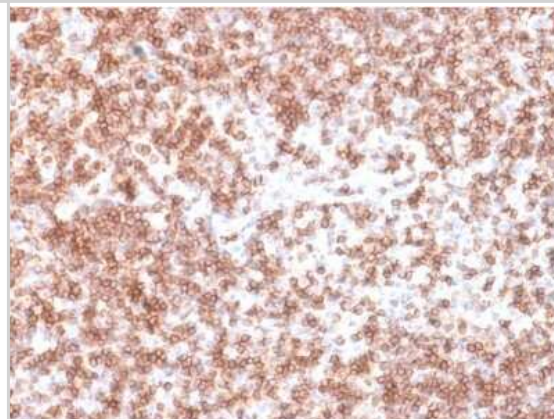
Western Blot: CD45 Antibody (PTPRC/1975R) [NBP3-07167] - Western Blot Analysis of Human spleen tissue lysate using CD45 Rabbit Recombinant Monoclonal Antibody (PTPRC/1975R).



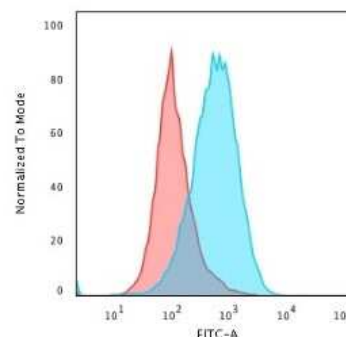
Immunocytochemistry/Immunofluorescence: CD45 Antibody (PTPRC/1975R) [NBP3-07167] - Paraformaldehyde-fixed Raji cells stained with CD45 Rabbit Recombinant Monoclonal Antibody (PTPRC/1975R) followed by Goat anti-rabbit IgG-CF488 (Green). Counterstain is Phalloidin (red).



Immunohistochemistry-Paraffin: CD45 Antibody (PTPRC/1975R) [NBP3-07167] - Formalin-fixed, paraffin-embedded human Lymph Node stained with CD45 Rabbit Recombinant Monoclonal Antibody (PTPRC/1975R).



Flow Cytometry: CD45 Antibody (PTPRC/1975R) [NBP3-07167] - Flow Cytometric Analysis of paraformaldehyde-fixed Raji cells using CD45 Rabbit Recombinant Monoclonal Antibody (PTPRC/1975R) followed by Goat anti-rabbit IgG-CF488 (Blue); Isotype Control (Red).





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Products Related to NBP3-07167-100ug

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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