

Product Datasheet

CD74 Antibody (LN-2) - Azide and BSA Free NBP2-33088

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP2-33088

CD74 Antibody (LN-2) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	LN-2
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS

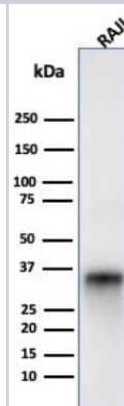
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-29465). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	972
Gene Symbol	CD74
Species	Human, Mouse, Baboon, Rat (Negative)
Reactivity Notes	Does not react with Rat.
Marker	B-Cell Marker
Specificity/Sensitivity	It recognizes a protein of ~35kDa, identified as CD74 (Workshop IV). CD74 is a type II transmembrane protein which binds to the peptide binding groove of newly synthesized MHC class II alpha/beta heterodimers and prevents their premature association with endogenous polypeptides. CD74 is expressed primarily by antigen presenting cells, such as B-lymphocytes (from before the pre-B cell stage to before the plasma cell stage), macrophages, and monocytes, and many epithelial cells. Anti-CD74 stains predominantly germinal center lymphocytes and B-cell lymphomas, but rarely T-cell lymphomas. Anti-CD74 has been shown to be useful in differentiating atypical fibroxanthoma (-) from malignant fibrous histiocytoma (+).
Immunogen	SU-DHL-4 lymphoma cells

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Immunofluorescence: (Methanol fixed): 1-4ug/ml. 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.

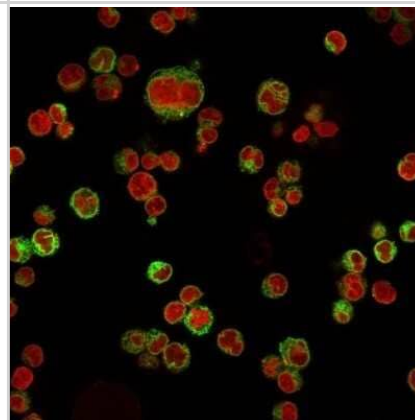


Images

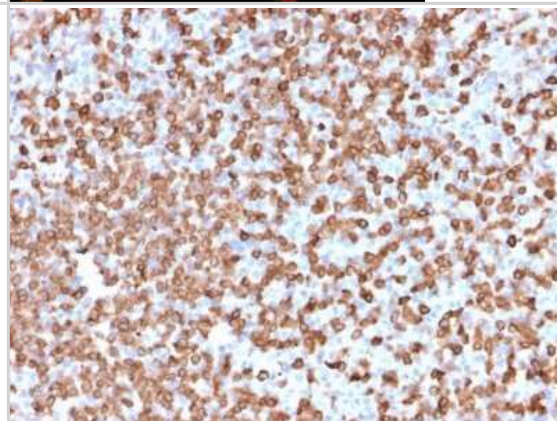
Western Blot: CD74 Antibody (LN-2) - Azide and BSA Free [NBP2-33088] - Western blot analysis of Raji cell lysate using CD74 antibody (LN-2).



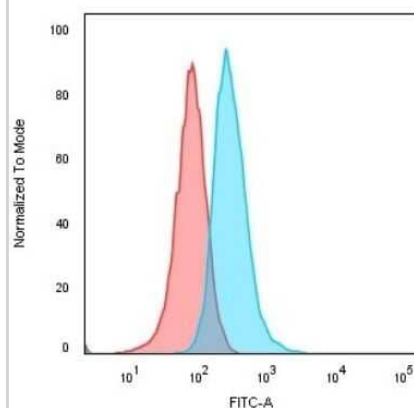
Immunocytochemistry/Immunofluorescence: CD74 Antibody (LN-2) - Azide and BSA Free [NBP2-33088] - Immunofluorescence Analysis of Raji cells labeling CD74 with CD74 Antibody (LN-2) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Red Dot (Red)



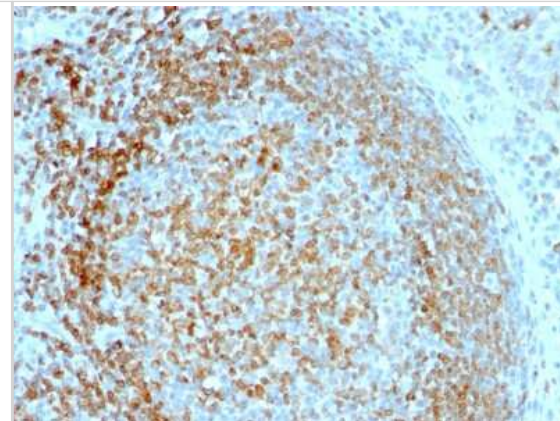
Immunohistochemistry-Paraffin: CD74 Antibody (LN-2) - Azide and BSA Free [NBP2-33088] - Formalin-fixed, paraffin-embedded human Spleen stained with CD74 Antibody (LN-2).



Flow Cytometry: CD74 Antibody (LN-2) - Azide and BSA Free [NBP2-33088] - Flow Cytometric Analysis of Human Raji cells using CD74 Antibody (LN-2) followed by Goat anti-Mouse IgG-CF488 (Blue). Isotype Control (Red).



Immunohistochemistry-Paraffin: CD74 Antibody (LN-2) - Azide and BSA Free [NBP2-33088] - Formalin-paraffin human tonsil stained with CD74 MAb (LN-2).





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Products Related to NBP2-33088

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-22758	Recombinant Human CD74 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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