

Product Datasheet

CD74 Antibody (CLIP/813)

NBP2-44990-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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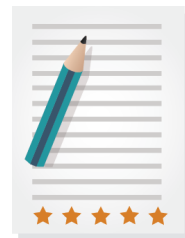
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Updated 10/23/2024 v.20.1

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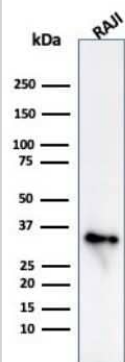
CD74 Antibody (CLIP/813)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	CLIP/813
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
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. (NBP3-11568) 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
Marker	B-Cell Marker
Specificity/Sensitivity	It recognizes a protein of ~35kDa, identified as CD74. It 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	Recombinant full-length human CD74 protein (Uniprot: P044233)
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 2-4 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	Flow Cytometry: 1-2ug/million cells (Methanol Fixed). 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.

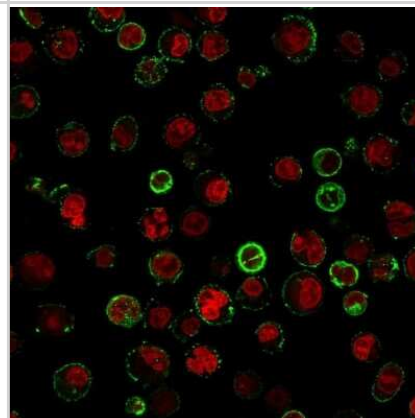


Images

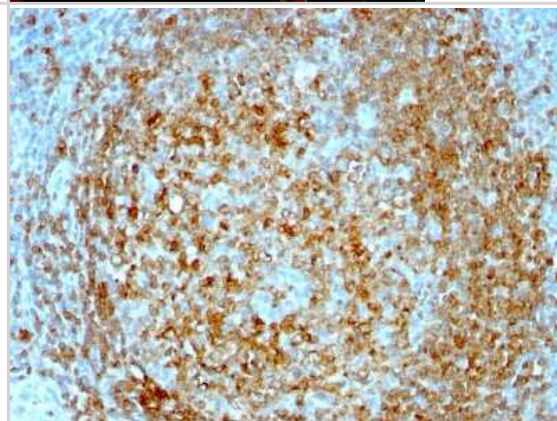
Western Blot: CD74 Antibody (CLIP/813) [NBP2-44990] - Western Blot Analysis of Raji cell lysate using CD74 antibody (CLIP/813)



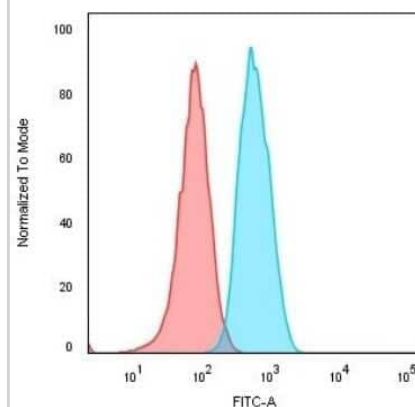
Immunocytochemistry/Immunofluorescence: CD74 Antibody (CLIP/813) [NBP2-44990] - Immunofluorescent staining of Raji cells. CD74 Antibody (CLIP/813) followed by goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Red Dot (Red)



Immunohistochemistry-Paraffin: CD74 Antibody (CLIP/813) [NBP2-44990] - Formalin-fixed, paraffin-embedded human Tonsil stained with CD74 Antibody (CLIP/813).



Flow Cytometry: CD74 Antibody (CLIP/813) [NBP2-44990] - Flow Cytometric Analysis of Human Raji cells. CD74 Antibody (CLIP/813) followed by goat anti-Mouse IgG-CF488 (Blue). Isotype Control (Red).



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Products Related to NBP2-44990-0.1mg

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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