

Product Datasheet

CD74 Antibody (LN-2) NBP2-29465

Unit Size: 0.1 mg

Store at 4C.

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NBP2-29465

CD74 Antibody (LN-2)

| Product Information | |
|---------------------|--------------------------|
| Unit Size | 0.1 mg |
| Concentration | 0.2 mg/ml |
| Storage | Store at 4C. |
| Clonality | Monoclonal |
| Clone | LN-2 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG1 Kappa |
| Purity | Protein A or G purified |
| Buffer | 10 mM PBS with 0.05% BSA |

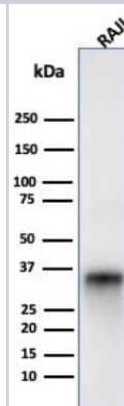
| Product Description | |
|-------------------------|--|
| Description | 200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-33088) Antibody with azide - store at 2 to 8C. 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 2-4 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry 0.5-1ug/ml, Immunocytochemistry/ Immunofluorescence 1-4 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml |
| 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. |

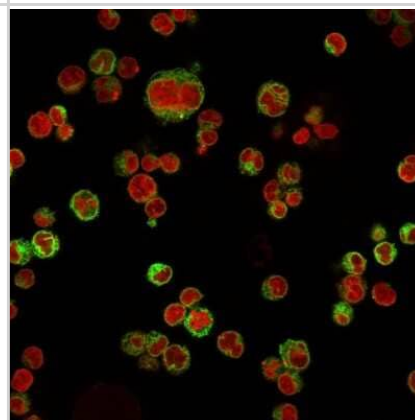


Images

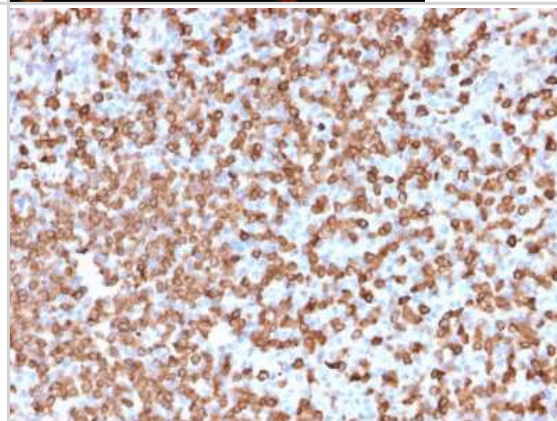
Western Blot: CD74 Antibody (LN-2) [NBP2-29465] - Western blot analysis of Raji cell lysate using CD74 antibody (LN-2).



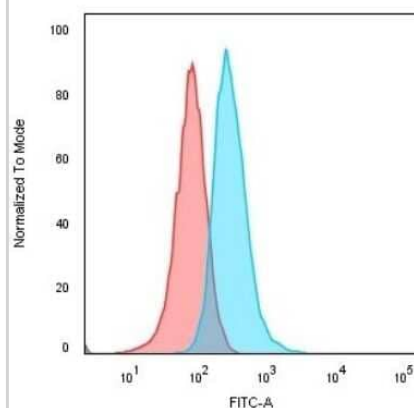
Immunocytochemistry/Immunofluorescence: CD74 Antibody (LN-2) [NBP2-29465] - Immunofluorescence Analysis of Raji cells labeling CD74 with CD74 Antibody (LN-2) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Red Dot (Red)



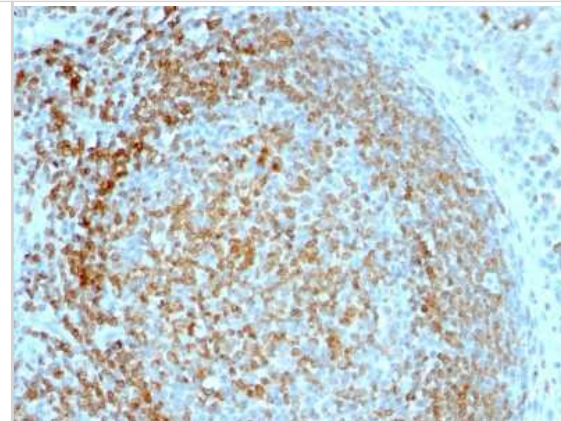
Immunohistochemistry-Paraffin: CD74 Antibody (LN-2) [NBP2-29465] - Formalin-fixed, paraffin-embedded human Spleen stained with CD74 Antibody (LN-2).



Flow Cytometry: CD74 Antibody (LN-2) [NBP2-29465] - 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) [NBP2-29465] - Formalin-fixed, paraffin-embedded human Tonsil stained with CD74 Antibody (LN-2).



Publications

Huimei C, Gabriel C, Nithya D et al. The E3 ubiquitin ligase WWP2 regulates pro-fibrogenic monocyte infiltration and activity in heart fibrosis Nature communications 2022-11-30 [PMID: 36450710] (IHC-P, Mouse)

Zheng YX, Yang M, Rong TT et al. CD74 and macrophage migration inhibitory factor as therapeutic targets in gastric cancer. World J Gastroenterol. 2012-05-14 [PMID: 22611320]



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 NBP2-29465

| | |
|------------------|---|
| 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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