

CD74 (B-Cell Marker); Clone CLIP/813 (Concentrate)

Availability/Contents: Item # Volume
RA0066-C.5 0.5 ml

Description:

Species: Mouse
 Immunogen: Recombinant human CD74 protein
 Clone: CLIP/813
 Isotype: IgG1, kappa
 Entrez Gene ID: 972 (Human)
 Hu Chromosome Loc.: 5q33.1
 Synonyms: CLIP, DHLAG, Gamma chain of class II antigens, HLA class II histocompatibility antigen gamma chain, HLA-DR antigens-associated invariant chain, HLADR-gamma (HLADG), Ia antigen-associated invariant chain, Ia-gamma, Major histocompatibility complex class II invariant chain, MHC HLA-DR gamma chain


Mol. Weight of Antigen: 33-41kDa
 Format: 200µg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.

Specificity: This monoclonal antibody recognizes a protein of ~35kDa, identified as CD74.
 Background: 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, 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 (+).

Species Reactivity: Human. Others not known.
 Positive Control: Daudi or Raji Cells. Tonsil or Lymph Node.
 Cellular Localization: Cell surface and paranuclear globular
 Titer/ Working Dilution: Immunohistochemistry (Frozen and Formalin-fixed): 0.5-1 µg/ml
 Flow Cytometry: 0.5-1 µg/million cells
 Immunofluorescence: 1-2 µg/ml
 Western Blotting: 0.5-1 µg/ml
 Immunoprecipitation: 1-2 µg/500µg protein lysate


Microbiological State: This product is not sterile.

Storage: 2° C  8° C

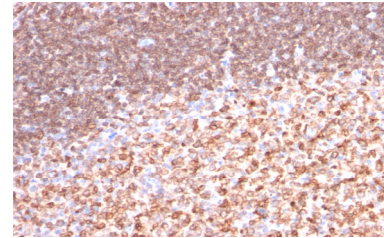


ScyTek Laboratories, Inc.
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U.S.A.



 EmergoEurope (31)(0) 70 345-8570
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2513 BH Hague, The Netherlands

Uses/Limitations: Not to be taken internally.
 For Research Use Only.
 This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
 Do not use if reagent becomes cloudy.
 Do not use past expiration date.
 Non-Sterile.



Formalin-paraffin human tonsil stained with CD74; Clone CLIP/813.

Ordering Information and Current Pricing at www.scytek.com

Procedure:

1. **Tissue Section Pretreatment (Required):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500).
2. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.
3. **Visualization:** For maximum staining intensity we recommend the “UltraTek HRP Anti-Polyvalent Lab Pack” (ScyTek catalog# UHP125, see IFU for instructions) combined with the “DAB Chromogen/Substrate Bulk Pack (High Contrast)” (ScyTek catalog# ACV500, see IFU for instructions).

Precautions: Contains Sodium Azide as a preservative (0.09% w/v).
 Do not pipette by mouth.
 Avoid contact of reagents and specimens with skin and mucous membranes.
 Avoid microbial contamination of reagents or increased nonspecific staining may occur.
 This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.


References:

1. Wilson, K.M., et al. 1993. Cell-surface expression of human histocompatibility leucocyte antigen (HLA) class II-associated invariant chain (CD74) does not always correlate with cell-surface expression of HLA class II molecules. Immunology 79: 331-335.

Warranty:


No products or “Instructions For Use (IFU)” are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our IFU or website. Our warranty is limited to the actual price paid for the product. ScyTek Laboratories, Inc. is not liable for any property damage, personal injury, time or effort or economic loss caused by our products. Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining can cause inconsistent results. Variations in fixation and embedding or the inherent nature of the tissue specimen may cause variations in results. Endogenous peroxidase activity or pseudoperoxidase activity in erythrocytes and endogenous biotin may cause non-specific staining depending on detection system used.

Storage: 2° C  8° C



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