



Product datasheet

Anti-CD74 antibody [CLIP/813] α b215898

4 Images

Overview

Product name	Anti-CD74 antibody [CLIP/813]
Description	Mouse monoclonal [CLIP/813] to CD74
Host species	Mouse
Tested applications	Suitable for: WB, Flow Cyt, IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human CD74 aa 1-300. Database link: P04233
	<div>  Run BLAST with  Run BLAST with </div>
Positive control	IHC-P: Human tonsil tissue. Flow cyt: Raji cells ICC/IF: Raji cells. WB: Raji cell lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.05% BSA, 99% PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	CLIP/813
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab215898 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 34 kDa.
Flow Cyt		Use 1-2µg for 10 ⁶ cells.
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.

Target

Function

Plays a critical role in MHC class II antigen processing by stabilizing peptide-free class II alpha/beta heterodimers in a complex soon after their synthesis and directing transport of the complex from the endoplasmic reticulum to the endosomal/lysosomal system where the antigen processing and binding of antigenic peptides to MHC class II takes place. Serves as cell surface receptor for the cytokine MIF.

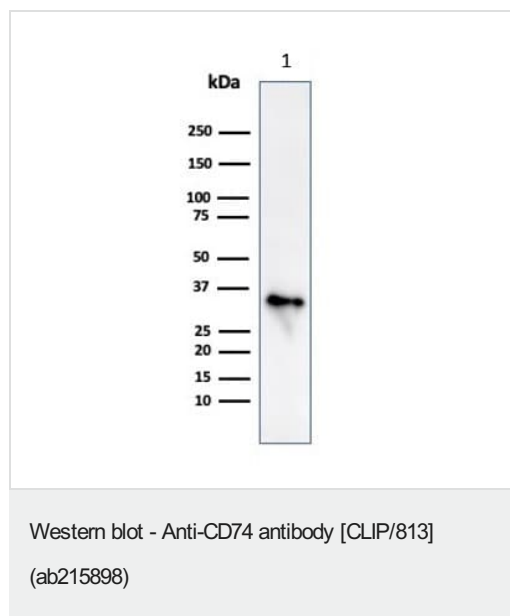
Sequence similarities

Contains 1 thyroglobulin type-1 domain.

Cellular localization

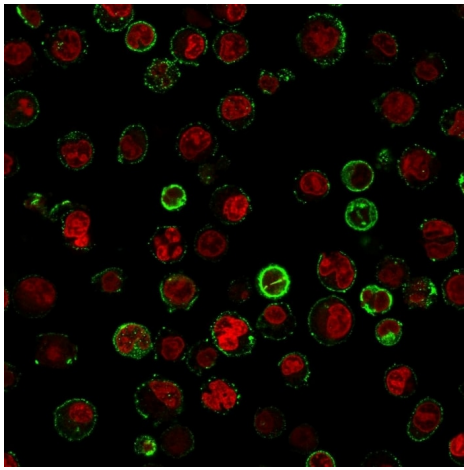
Cell membrane. Endoplasmic reticulum membrane. Golgi apparatus > trans-Golgi network. Endosome. Lysosome. Transits through a number of intracellular compartments in the endocytic pathway. It can either undergo proteolysis or reach the cell membrane.

Images



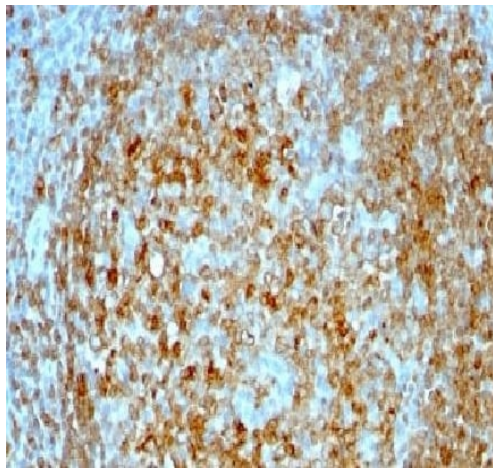
Anti-CD74 antibody [CLIP/813] (ab215898) at 4 µg/ml + Raji cell lysate

Predicted band size: 34 kDa



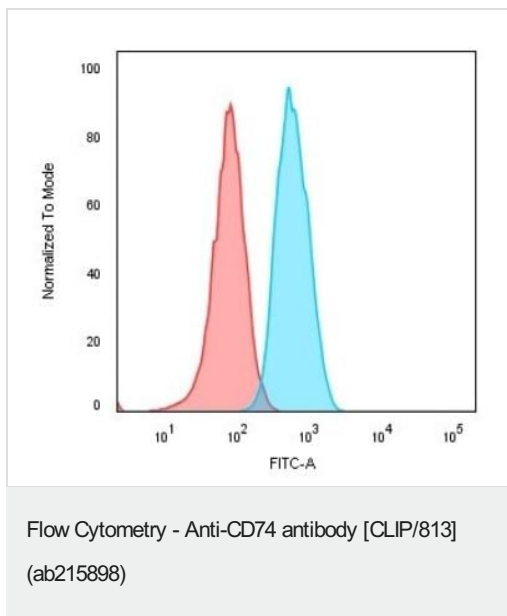
Immunofluorescent staining of Raji cells using ab215898 followed by goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red)

Immunocytochemistry/ Immunofluorescence - Anti-CD74 antibody [CLIP/813] (ab215898)



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human tonsil tissue labeling CD74 with ab215898 at 2 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD74 antibody [CLIP/813] (ab215898)



Flow Cytometric Analysis of Human Raji cells using ab215898 followed by goat anti-Mouse IgG-CF488 (Blue), and Isotype Control (Red).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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