

Product datasheet

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ARG40908 anti-CD74 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes CD74

Tested Reactivity Hu

Tested Application FACS, ICC/IF, IHC-P, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name CD74

Species Human

Immunogen Synthetic peptide derived from Human CD74.

Conjugation Un-conjugated

Alternate Names DHLAG; Ii; CD antigen CD74; II; HLA-DR antigens-associated invariant chain; Ia-GAMMA; Ia antigen-

associated invariant chain; HLA class II histocompatibility antigen gamma chain; p33; HLADG

Application Instructions

Application table	Application	Dilution
	FACS	1:50
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Ramos	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol CD74

Gene Full Name CD74 molecule, major histocompatibility complex, class II invariant chain

Background The protein encoded by this gene associates with class II major histocompatibility complex (MHC) and is

an important chaperone that regulates antigen presentation for immune response. It also serves as cell surface receptor for the cytokine macrophage migration inhibitory factor (MIF) which, when bound to the encoded protein, initiates survival pathways and cell proliferation. This protein also interacts with amyloid precursor protein (APP) and suppresses the production of amyloid beta (Abeta). Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by

RefSeq, Aug 2011]

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.

[UniProt]

Calculated Mw 34 kDa

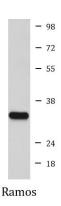
PTM N- and O-glycosylated. O-glycosylated with core 1 or possibly core 8 glycans. [UniProt]

Cell membrane; Single-pass type II membrane protein. Endoplasmic reticulum membrane. Golgi

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

[UniProt]

Images



ARG40908 anti-CD74 antibody WB image

Western blot: Ramos cell lysate stained with ARG40908 anti-CD74 antibody. $\label{eq:control} % \[\frac{1}{2} \left(\frac{1}{2} \right) + \frac$