



CD74 Rabbit mAb

Catalog No	YP-rAb-17234
Isotype	IgG
Reactivity	Human
Applications	WB,IHC,IF,ELISA
Gene Name	CD74
Protein Name	HLA class II histocompatibility antigen gamma chain
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	CD74 ; DHLAG ; HLA class II histocompatibility antigen gamma chain ; HLA-DR antigens-associated invariant chain ; Ia antigen-associated invariant chain ; Ii ; p33 ; CD74
Observed Band	34kD
Calculated Molecular Weight	34kD
Cell Pathway	Cell membrane ; Single-pass type II membrane protein . 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.; [Isoform p41]: Late endosome . Lysosome .
Tissue Specificity	[Isoform p41]: In B cells, represents 10% of total CD74 expression. ; [Isoform p33]: In B cells, represents 70% of total CD74 expression.
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 compartments where peptide loading of class II takes place.,similarity:Contains 1 thyroglobulin type-1 domain.,subunit:Nonamer composed of three alpha/beta/gamma heterotrimers.,





Background

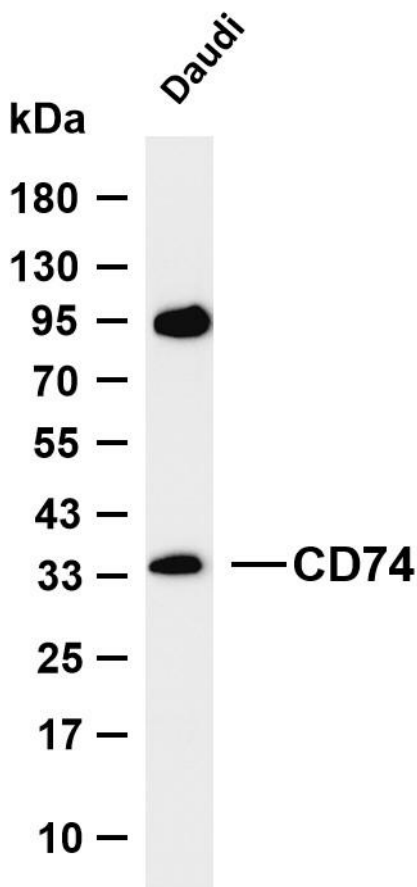
The protein encoded by this gene associates with class II major histocompatibility complex (MHC) and is an important chaperone that regulates antigen presentation for immune response. It also serves as cell surface receptor for the cytokine macrophage migration inhibitory factor (MIF) which, when bound 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],

matters needing attention

Avoid repeated freezing and thawing!

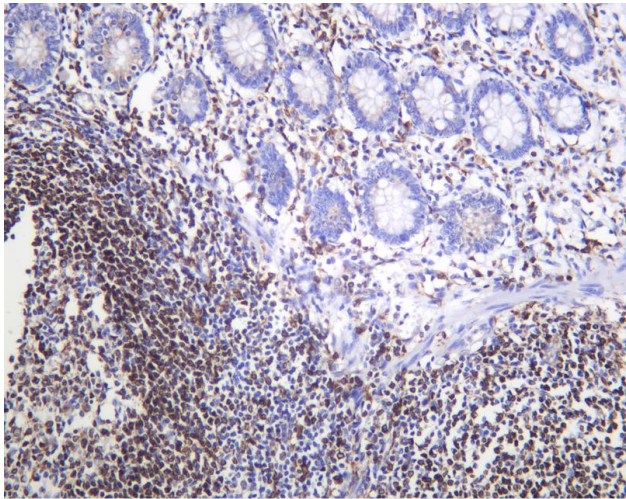
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD74 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Daudi Predicted band size: 34kDa Observed band size: 34kDa





Human appendix was stained with anti-CD74 Rabbit antibody

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