



# CD74 mouse mAb(PT1667)

<b>Catalog No</b>	YP-Ab-15381
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human
<b>Applications</b>	IHC;WB;IF
<b>Gene Name</b>	CD74 DHLAG
<b>Protein Name</b>	CD74
<b>Immunogen</b>	Synthesized peptide derived from human CD74
<b>Specificity</b>	This antibody detects endogenous levels of human CD74. Heat-induced epitope retrieval (HIER) TRIS-EDTA of pH8.0 was highly recommended as antigen repair method in paraffin section
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Mouse, Monoclonal/IgG1, Kappa
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
<b>Dilution</b>	IHC-p 1:100-500, WB 1:200-1000. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	HLA class II histocompatibility antigen gamma chain (HLA-DR antigens-associated invariant chain;Ia antigen-associated invariant chain;li;p33;CD antigen CD74)
<b>Observed Band</b>	
<b>Cell Pathway</b>	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 .
<b>Tissue Specificity</b>	[Isoform p41]: In B cells, represents 10% of total CD74 expression. ; [Isoform p33]: In B cells, represents 70% of total CD74 expression.
<b>Function</b>	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.,
<b>Background</b>	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],

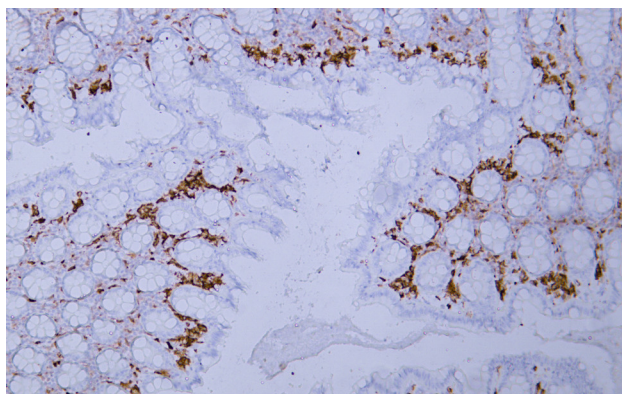
#### matters needing attention

Avoid repeated freezing and thawing!

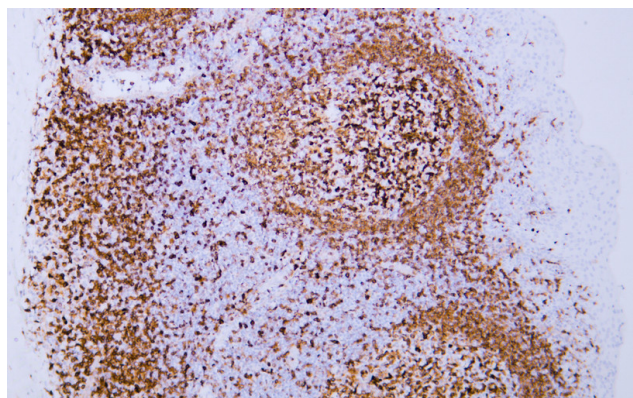
#### Usage suggestions

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

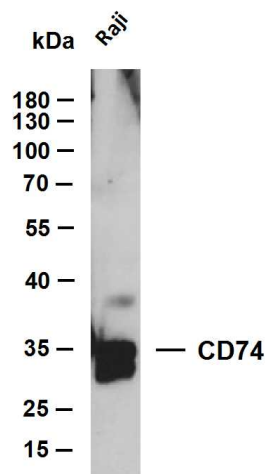
## Products Images



Human appendix tissue was stained with Anti-CD74 (ABT153) Antibody



Human tonsil tissue was stained with Anti-CD74 (ABT153) Antibody



Whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-CD74(ABT153)antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: Raji Predicted band size: 34kDa Observed band size: 33kDa