

Basic Information

Product Name	Anti-CD74 Antibody (Clone#OT1G10)
Gene Name	CD74
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human
Tested Application	IHC, WB
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Immunogen	Full length human recombinant protein of human CD74(NP_001020330) produced in HEK293T cell.
Concentration	500 ug/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Observed MW	33.3 kDa
Dilution Ratios	Western blot (WB): 1:4000 Immunohistochemistry (IHC):1:150

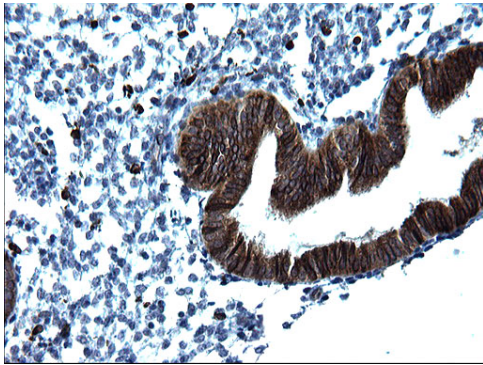
Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

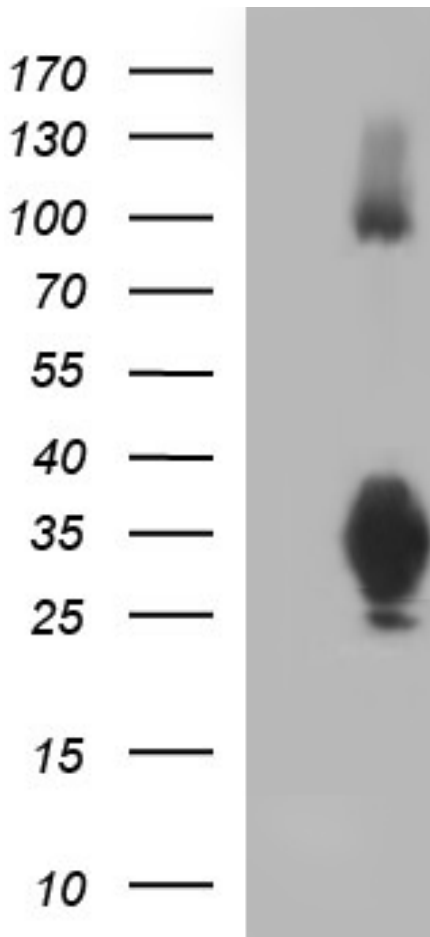
Background Information

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]

Selected Validation Data



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-CD74 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, M01340-3)



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD74 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD74.