

## Product datasheet for **CF507336**

### **DHLAG (CD74) Mouse Monoclonal Antibody [Clone ID: OTI1G10]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI1G10
<b>Applications:</b>	IHC, WB
<b>Recommended Dilution:</b>	WB 1:4000, IHC 1:150
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human CD74(NP_001020330) produced in HEK293T cell.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	33.3 kDa
<b>Gene Name:</b>	CD74 molecule
<b>Database Link:</b>	<a href="#">NP_001020330</a> <a href="#">Entrez Gene 972 Human</a> <a href="#">P04233</a>



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**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]

**Synonyms:**

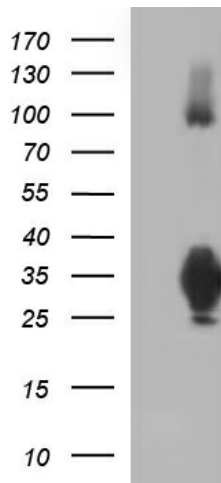
DHLAG; HLADG; Ia-GAMMA; II

**Protein Families:**

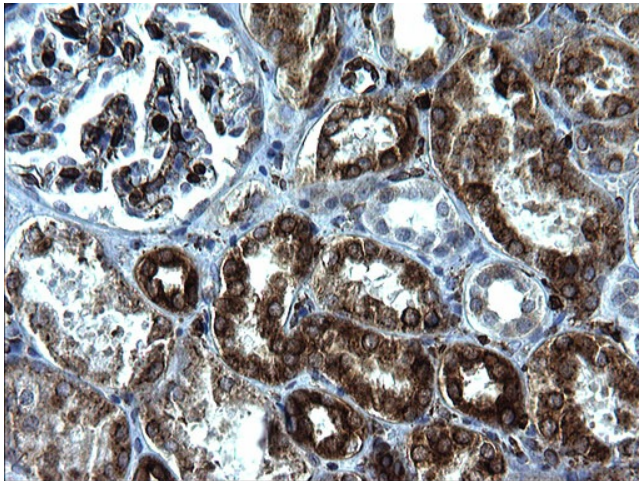
Druggable Genome, Transmembrane

**Protein Pathways:**

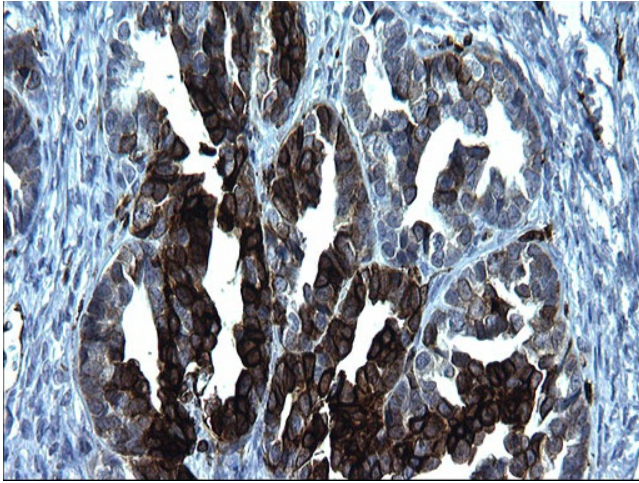
Antigen processing and presentation

**Product images:**

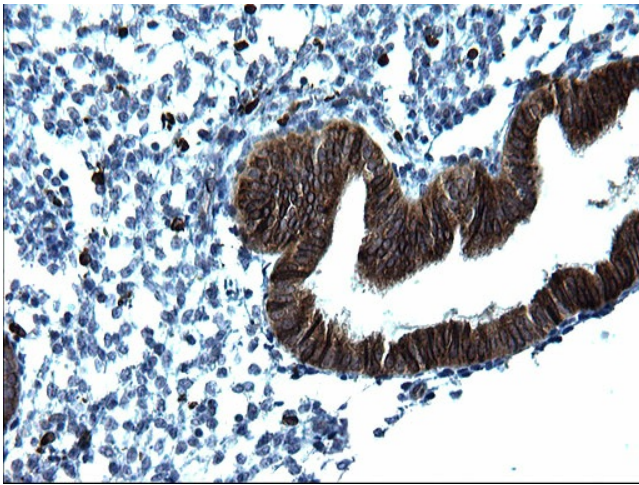
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD74 ([RC212964], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD74. Positive lysates [LY422595] (100ug) and [LC422595] (20ug) can be purchased separately from OriGene.



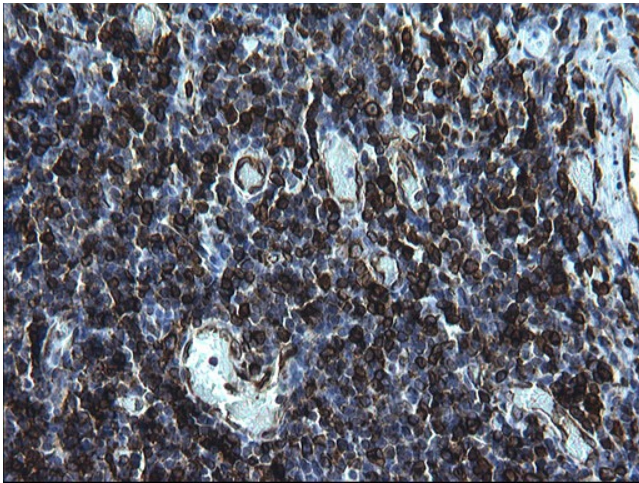
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-CD74 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA507336])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-CD74 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA507336])



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, [TA507336])



Immunohistochemical staining of paraffin-embedded Human lymph node 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, [TA507336])