

Product datasheet for **UM800123CF**

DHLAG (CD74) Mouse Monoclonal Antibody [Clone ID: UMAB231]

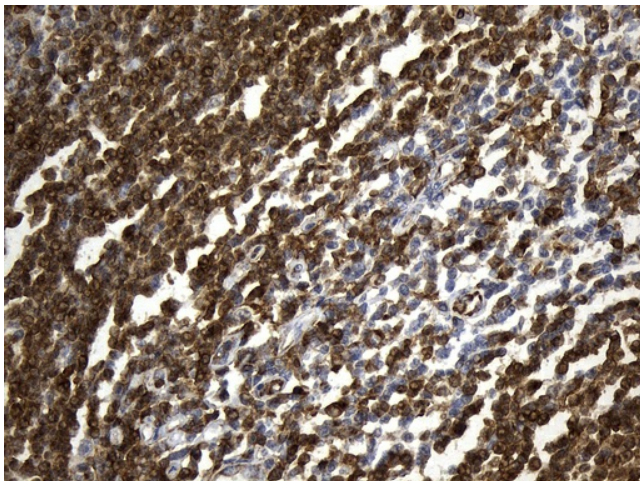
Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB231
Applications:	10k-ChIP, IHC, WB
Recommended Dilution:	IHC 1:100~1600
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD74(NP_001020330) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	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)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	33.3 kDa
Gene Name:	CD74 molecule
Database Link:	NP_001020330 Entrez Gene 972 Human P04233
Synonyms:	DHLAG; HLADG; Ia-GAMMA; II
Protein Families:	Druggable Genome, Transmembrane

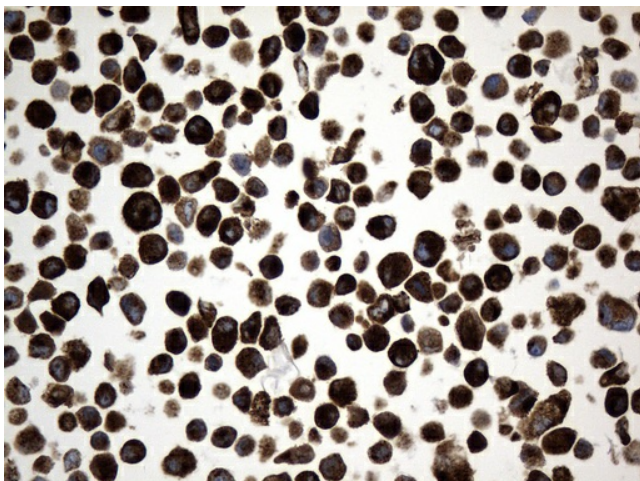

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Protein Pathways: Antigen processing and presentation

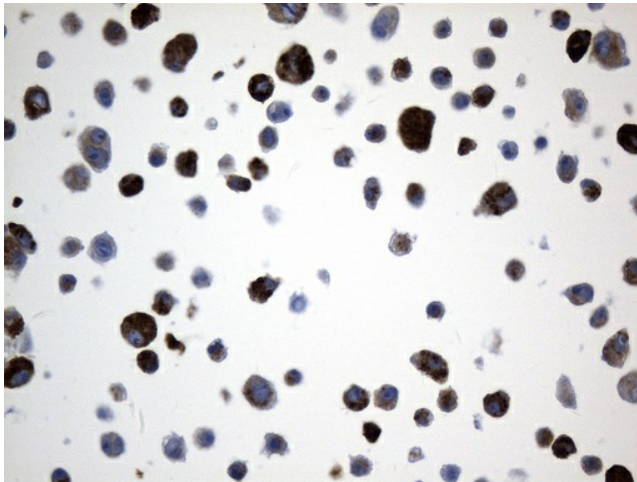
Product images:



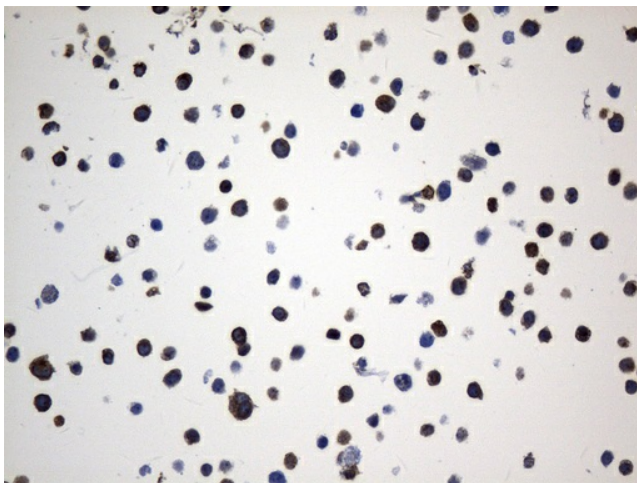
Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-CD74 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 2.5 min, [UM800123]) (1:1600)



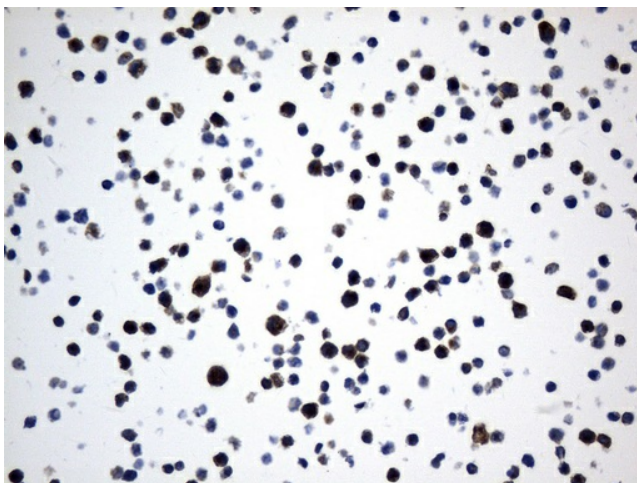
Immunohistochemical staining of paraffin-embedded NCI-H2228 cell pellets using anti-CD74 mouse monoclonal antibody (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800123]) (1:1600)



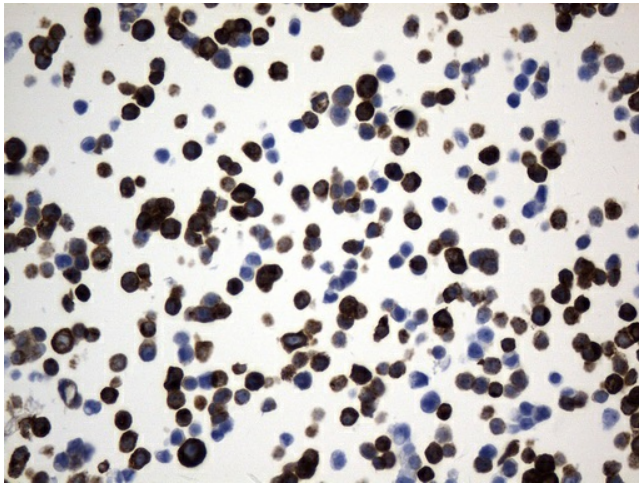
Immunohistochemical staining of paraffin-embedded MDA-MB-231 cell pellets using anti-CD74 mouse monoclonal antibody (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800123]) (1:1600)



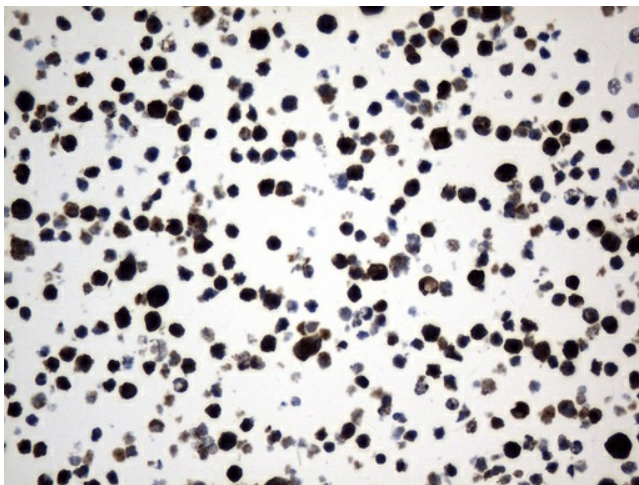
Immunohistochemical staining of paraffin-embedded HL-60 cell pellets using anti-CD74 mouse monoclonal antibody (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800123]) (1:1600)



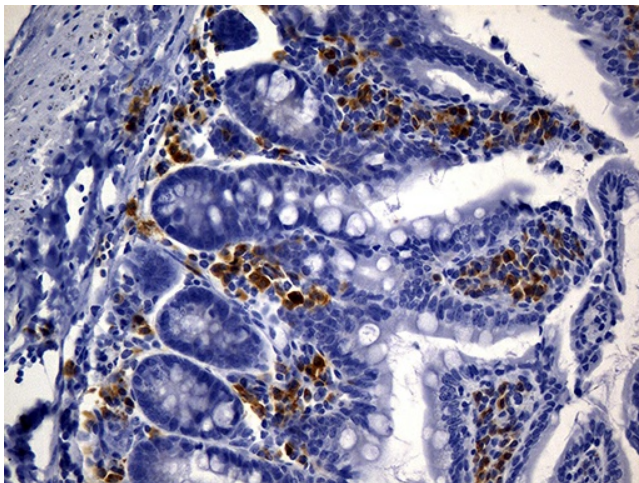
Immunohistochemical staining of paraffin-embedded Ramos cell pellets using anti-CD74 mouse monoclonal antibody (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800123]) (1:1600)



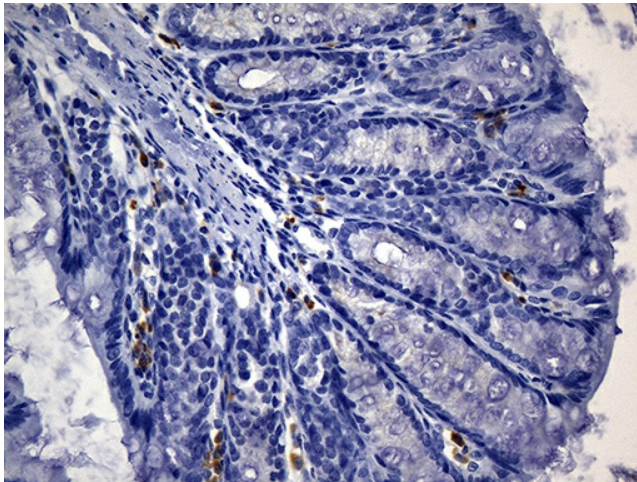
Immunohistochemical staining of paraffin-embedded LoVo cell pellets using anti-CD74 mouse monoclonal antibody (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800123]) (1:1600)



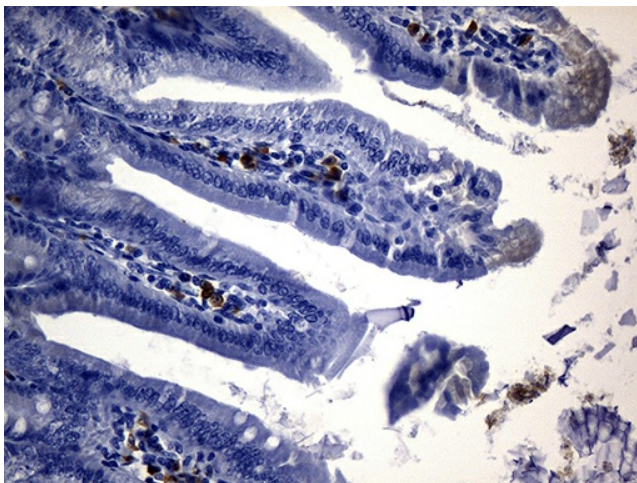
Immunohistochemical staining of paraffin-embedded Raji cell pellets using anti-CD74 mouse monoclonal antibody (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800123]) (1:1600)



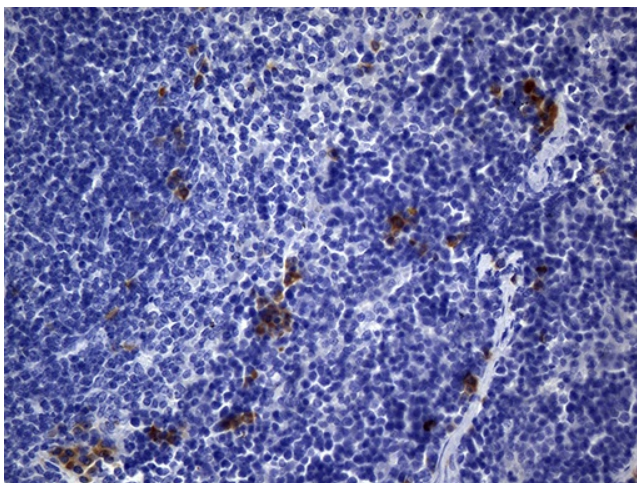
Immunohistochemical staining of paraffin-embedded mouse ascending colon tissue using anti-CD74 clone UMAB231 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [UM800123]) (1:800).



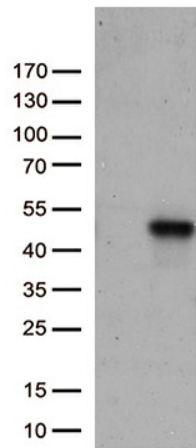
Immunohistochemical staining of paraffin-embedded mouse colon tissue using anti-CD74 clone UMAB231 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [UM800123]) (1:800).



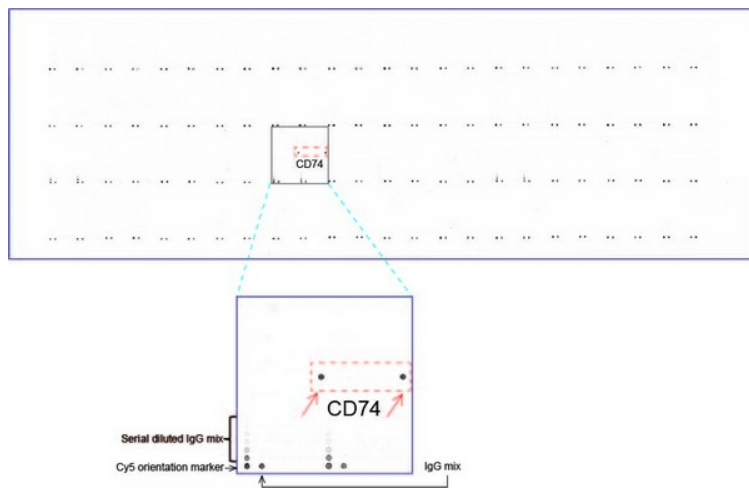
Immunohistochemical staining of paraffin-embedded mouse small intestine tissue using anti-CD74 clone UMAB231 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [UM800123]) (1:800).



Immunohistochemical staining of paraffin-embedded mouse spleen tissue using anti-CD74 clone UMAB231 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [UM800123]) (1:800)



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 (1:500).



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-CD74 mouse monoclonal antibody ([UM800123]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification (1:100)