

## Product datasheet for **TA327653**

### **DHLAG (CD74) Mouse Monoclonal Antibody [Clone ID: LN2]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	LN2
Applications:	IHC
Recommended Dilution:	IHC: 1:100 - 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Formulation:	This antibody is supplied as cell culture supernatant diluted in tris buffered saline, pH 7.3-7.7, with 1% BSA and <0.1% sodium azide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD74 molecule
Database Link:	<a href="#">NP_001020329</a> <a href="#">Entrez Gene 972 Human</a> <a href="#">P04233</a>
Synonyms:	DHLAG; HLADG; Ia-GAMMA; II



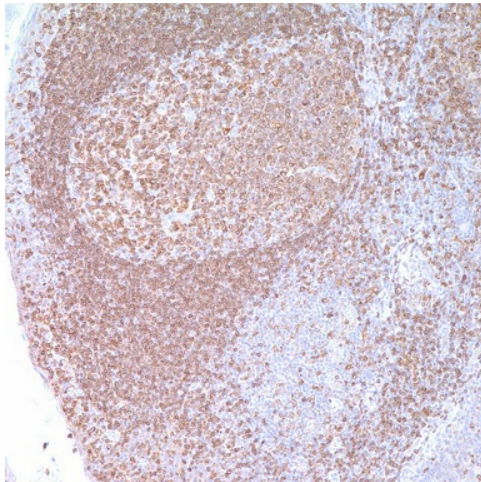
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**Note:** CD74, also known as the MHC class II associated invariant chain (Ii), is a type II transmembrane protein which binds to the peptide binding groove of newly synthesized MHC class II alpha/beta heterodimers and prevents their premature association with endogenous polypeptides. CD74 is produced in molar excess over MHC class II and some of this is expressed by an unknown pathway on the cell surface independent of or in association with MHC class II molecules. The half life of CD74 on the cell surface is only 3 to 4 minutes after which it is internalized. CD74 is expressed primarily by antigen presenting cells such as B-lymphocytes (from before the pre-B cell stage to before the plasma cell stage), macrophages, and monocytes, and many epithelial cells. CD74 may exist in different isoforms ranging in size from 33 to 41 kDa, depending on genetic splicing. Anti-CD74 stains predominantly germinal center lymphocytes and B-cell lymphomas but rarely T-cell lymphomas. It stains the cell membrane but a paranuclear globular labeling is also noted. It is a useful addition to the lymphoma phenotyping panel when B5 or alcohol fixed tissue is used. Anti-CD74 has been shown to be useful in differentiating atypical fibroxanthoma (-) from malignant fibrous histiocytoma (+).

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Antigen processing and presentation

**Product images:**



Immunohistochemistry staining of Paraffin Tonsil tissue by CD74 antibody (dilution: 1:100 - 1:500; visualization of staining: Cytoplasmic, membranous)