

## Product datasheet for **TA386378**

### **DHLAG (CD74) Mouse Monoclonal Antibody [Clone ID: LN-2]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	LN-2
<b>Applications:</b>	ELISA, FC, IF, IHC, IP, WB
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1, kappa
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	This antibody was raised by immunizing mice with SU-DHL-4 lymphoma cells.
<b>Specificity:</b>	<p>LN-2 antibody recognizes CD74. It reacts with an epitope residing within 60 amino acids of the extracytoplasmic, COOH terminus of the protein. CD74 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.</p> <p>Anti-CD74 has been shown to be useful in differentiating atypical fibroxanthoma (-) from malignant fibrous histiocytoma (+). This antibody can be used for the identification of B cell lymphoma and leukemias. It also stains activated neoplastic cells in T cell lymphomas and Sternberg-reed cells. Furthermore, this antibody was shown to be capable of distinguishing small cell lung cancer from a non small cell lung cancer as a part of a panel of antibodies (Ioachim et al., 1996). Furthermore, LN2 was successfully used in immunohistochemical and flow cytometric analysis of lung cancer tissue and cells (Ioachim et al., 1996). Finally, this antibody is also useful in immunofluorescence analysis of CD74, as it was very effective in labelling this protein in CD74-transfected COS-7 cells (Leng et al., 2003).</p>
<b>Formulation:</b>	PBS with 0.02% Proclin 300.
<b>Concentration:</b>	lot specific
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
<b>Stability:</b>	3 years from dispatch.



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Gene Name: CD74 molecule

Database Link: [Entrez Gene 972 Human P04233](#)

Synonyms: DHLAG; HLA-DR-gamma; HLADG; Ia-GAMMA; Ii; p33