

Product datasheet for **TA386379**

DHLA^G (CD74) Rabbit Monoclonal Antibody [Clone ID: LN-2]

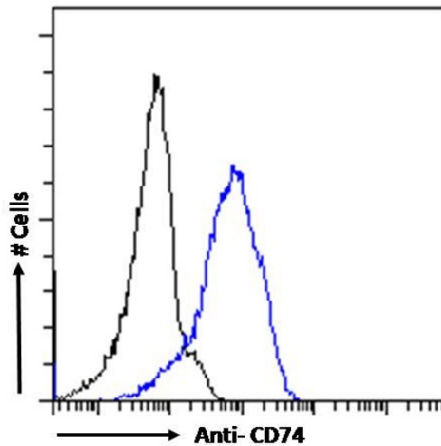
Product data:

Product Type:	Primary Antibodies
Clone Name:	LN-2
Applications:	ELISA, FC, IF, IHC, IP, WB
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	This antibody was raised by immunizing mice with SU-DHL-4 lymphoma cells.
Specificity:	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. 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).
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.

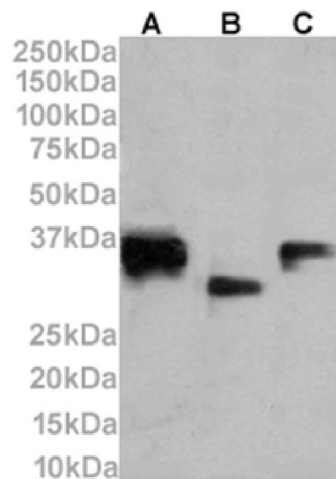

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Gene Name:	CD74 molecule
Database Link:	Entrez Gene 972 Human P04233
Synonyms:	DHLA; HLA-DR-gamma; HLADG; Ia-GAMMA; li; p33
Note:	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Product images:



Flow cytometry using the Anti-CD74 antibody LN-2 (TA386379). Paraformaldehyde fixed Daudi cells were stained with anti-unknown specificity antibody ([TA385792]; isotype control, black line) or the rabbit IgG version of LN-2 (TA386379, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Western Blot using anti-CD74 antibody LN-2 (TA386379) Daudi cell lysate (A), human spleen (B) and human tonsil (C) tissue lysates (35µg protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of LN-2 (TA386379) at 0.0001 µg/ml, 0.001 µg/ml and 0.0001 µg/ml, respectively, before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.