

Product datasheet for **AM01081FC-N**

DHLAG (CD74) Mouse Monoclonal Antibody [Clone ID: Bu45]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Bu45
Applications:	FC
Recommended Dilution:	Flow Cytometry: 1/5; 10µl of the suggested working dilution to label 1x10 ⁶ cells in 100µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	B lymphoblastoid cell line HFB1.
Specificity:	This antibody recognises CD74, a type II transmembrane protein, which is also known as the MHC class II associated invariant chain. The Bu45 antibody recognises 33, 35 and 41 kD isoforms of CD74. The Bu45 antibody binds to an epitope within the extracytoplasmic domain of the CD74 molecule, which is distal from the C-terminus. *Membrane permeabilisation may enhance CD74 staining on monocytes but is not required when staining lymphocytes.
Formulation:	Phosphate buffered saline pH7.4 containing 0.09% Sodium Azide (NaN ₃), 1% Bovine Serum Albumin Label: FITC State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD74 molecule



[View online »](#)

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

Background: The CD74 molecule plays a critical role in the presentation of peptides, by the MHC class II antigens, to CD4 positive lymphocytes. CD74 is expressed on MHC class II positive cells including B cells, a subset of activated T cells, monocytes, dendritic cells and by various types of carcinoma. Expression of CD74 is primarily intracellular with moderate expression at the cell surface of B cells and monocytes.

Synonyms: p33, DHLAG