

## Product datasheet for **AM01081PU-N**

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

#### **Product data:**

**Product Type:** Primary Antibodies

**Clone Name:** Bu45

**Applications:** FC, FN, IF, IHC, IP

**Recommended Dilution:** **Immunoprecipitation.**

**Immunohistochemistry on Frozen Sections:** The epitope recognized by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. We recommend the use of acetone fixation for frozen sections.

**Flow Cytometry:** Use 10µl of 1/25-1/50 diluted antibody to label 1x10<sup>6</sup> cells in 100 µl. Membrane permeabilisation may enhance CD74 staining.

**Functional Assays:** Removal of Sodium Azide by dialysis is recommended prior to use. Dialysis cassettes are suitable for this purpose.

**Reactivity:** Human

**Host:** Mouse

**Isotype:** IgG1

**Clonality:** Monoclonal

**Immunogen:** B lymphoblastoid cell line HFB1.  
Spleen cells from immunised mice were fused with cells of the Ag8.653 myeloma cell line.

**Specificity:** This antibody recognizes Human CD74, a type II transmembrane protein, which is also known as the MHC class II associated invariant chain.  
The Bu45 antibody recognizes 33, 35 and 41 kDa isoforms of CD74.

**Formulation:** PBS, pH 7.4  
State: Purified  
State: Liquid purified IgG fraction from Tissue Culture Supernatant  
Preservative: 0.09% Sodium Azide

**Concentration:** lot specific

**Purification:** Affinity Chromatography on Protein G

**Conjugation:** Unconjugated

**Storage:** Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.  
Avoid repeated freezing and thawing.



[View online »](#)

<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	CD74 molecule
<b>Database Link:</b>	<a href="#">Entrez Gene 972 Human P04233</a>
<b>Background:</b>	<p>The CD74 molecule plays a critical role in the presentation of peptides, by the MHC class II antigens, to CD4 positive lymphocytes.</p> <p>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. The Bu45 antibody binds to an epitope within the extracytoplasmic domain of the CD74 molecule, which is distal from the C-terminus.</p>
<b>Synonyms:</b>	p33, DHLAG