

## Mouse anti-Human CD74 Monoclonal Antibody | anti-CD74 antibody

CD74 Antibody

|                               |                      |                            |                                                                              |
|-------------------------------|----------------------|----------------------------|------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA283469</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay, ELISA, Western Blot</b> |
|-------------------------------|----------------------|----------------------------|------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

CD74; Monoclonal Antibody; CD74 Antibody; HLA class II histocompatibility antigen gamma chain; HLA-DR antigens-associated invariant chain; Ia antigen-associated invariant chain; Ii; p33; DHLAG; anti-CD74 antibody

### PRODUCT SPECIFICATIONS

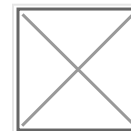
|                                                |                                                                                                                                                                     |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                               |
| Reactivity                                     | Human                                                                                                                                                               |
| Clonality                                      | Monoclonal                                                                                                                                                          |
| Isotype                                        | IgG2b,kappa                                                                                                                                                         |
| Clone Number                                   | 1267CT820.116.140.154                                                                                                                                               |
| Specificity                                    | This antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 1-232 amino acids from human.                                     |
| Purity/Purification                            | Purified Mouse Monoclonal Antibody (Mab)                                                                                                                            |
| Form/Format                                    | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS. |
| Concentration                                  | Vial Concentration: 0.5 (varies by lot)                                                                                                                             |
| Sequence Length                                | 160                                                                                                                                                                 |
| Applicable Applications for anti-CD74 antibody | FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)                                                                                                                 |
| Antigen Type                                   | Recombinant Protein                                                                                                                                                 |
| Crown Antibody                                 | Yes                                                                                                                                                                 |
| Antigen Source                                 | HUMAN                                                                                                                                                               |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.              |

### IMAGES



#### WB (Western Blot)

Western blot analysis of lysates from Daudi, Raji cell line (from left to right), using CD74 Antibody. AAA283469 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



#### FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Raji cells using CD74(green) compared to an isotype control of mouse IgG2b(blue). AAA283469 was diluted at 1:25 dilution. An Alexa Fluor 488 goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD74 antibody | Plays a critical role in MHC class II antigen processing by stabilizing peptide-free class II alpha/beta heterodimers in a complex soon after their synthesis and directing transport of the complex from the endoplasmic reticulum to the endosomal/lysosomal system where the antigen processing and binding of antigenic peptides to MHC class II takes place. Serves as cell surface receptor for the cytokine MIF. |
| Product Categories/Family for anti-CD74 antibody   | Crown Antibodies; Immunology                                                                                                                                                                                                                                                                                                                                                                                            |
| References                                         | Claesson L.,et al.Proc. Natl. Acad. Sci. U.S.A. 80:7395-7399(1983).<br>Strubin M.,et al.EMBO J. 3:869-872(1984).<br>Kudo J.,et al.Nucleic Acids Res. 13:8827-8841(1985).<br>O'Sullivan D.M.,et al.Proc. Natl. Acad. Sci. U.S.A. 83:4484-4488(1986).<br>Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DBJ databases.                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| NCBI GI #                        | 68448537                                                                       |
| NCBI GeneID                      | 972                                                                            |
| NCBI Accession #                 | NP_001020329.1                                                                 |
| NCBI GenBank Nucleotide #        | NM_001025158.2                                                                 |
| UniProt Accession #              | P04233; Q14597; Q29832; Q5U0J8; Q8SNA0; Q8WLP6; A8K7R1; B4DNE8; D3DQG3; D3DQG4 |
| Molecular Weight                 | 33516                                                                          |
| NCBI Official Full Name          | HLA class II histocompatibility antigen gamma chain isoform c                  |
| NCBI Official Synonym Full Names | CD74 molecule, major histocompatibility complex, class II invariant chain      |
| NCBI Official Symbol             | CD74                                                                           |
| NCBI Official Synonym Symbols    | II; DHLAG; HLADG; Ia-GAMMA                                                     |
| NCBI Protein Information         | HLA class II histocompatibility antigen gamma chain                            |
| UniProt Protein Name             | HLA class II histocompatibility antigen gamma chain                            |
| UniProt Gene Name                | CD74                                                                           |
| UniProt Synonym Gene Names       | DHLAG; li                                                                      |
| UniProt Entry Name               | HG2A_HUMAN                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd74-antibody-clone-1267ct820-116-140-154-flow-cytometry-western-blot-elisa/283469>