

### 36-3652: Anti-CD74 (B-Cell Marker) Monoclonal Antibody(Clone: CLIP/3127R)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	CLIP/3127R
<b>Application :</b>	FACS,IHC,WB
<b>Reactivity :</b>	Human, Mouse
<b>Gene :</b>	CD74
<b>Gene ID :</b>	972
<b>Uniprot ID :</b>	P044233
<b>Alternative Name :</b>	CLIP, DHLAG, Gamma chain of class II antigens, HLA class II histocompatibility antigen gamma chain, HLA-DR antigens-associated invariant chain, HLADR-gamma (HLADG), Ia antigen-associated invariant chain, Ia-gamma, Major histocompatibility complex class II invariant chain, MHC HLA-DR gamma chain
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	SU-DHL-4 lymphoma cells

#### Description

It recognizes a protein of ~35kDa, identified as CD74 (Workshop IV). 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. CD74 is expressed primarily by antigen presenting cells, such as B-lymphocytes (from before the pre-B cell stage to before the plasma cell stage), macrophages, and monocytes, and many epithelial cells. Anti-CD74 stains predominantly germinal center lymphocytes and B-cell lymphomas, but rarely T-cell lymphomas. Anti-CD74 has been shown to be useful in differentiating atypical fibroxanthoma (-) from malignant fibrous histiocytoma (+).

#### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

#### Application Note

Flow Cytometry (1-2ug/million cells), Western Blot (1-2ug/ml);Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

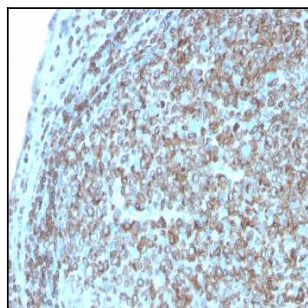


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with CD74 Recombinant Rabbit Monoclonal Antibody (CLIP/3127R).

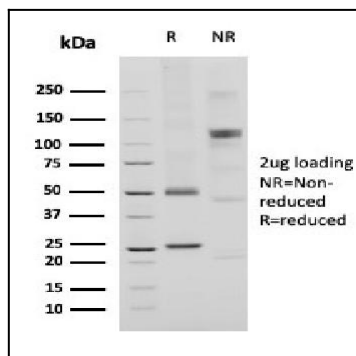


Fig. 2: SDS-PAGE Analysis Purified CD74 Recombinant Rabbit Monoclonal Antibody (CLIP/3127R). Confirmation of Purity and Integrity of Antibody.

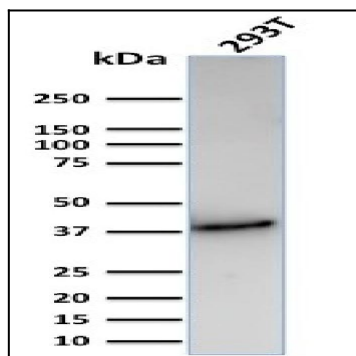


Fig. 3: Western Blot Analysis of Human 293T cell lysate using CD74 Recombinant Rabbit Monoclonal Antibody (CLIP/3127R).

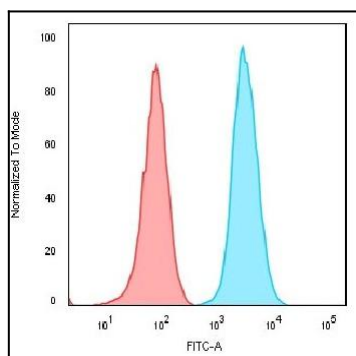


Fig. 4: Flow Cytometric Analysis of Raji cells. CD74 Recombinant Rabbit Monoclonal Antibody (CLIP/3127R) followed by goat anti-Mouse IgG-CF488 (Blue). Isotype Control (Red).