

CD74 recombinant antibody

Anti-CD74 [In-1]

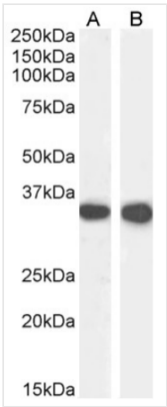
CATALOG #	REACTIVITY	APPLICATIONS
AAA72009	Mouse	Immunohistochemistry, Flow Cytometry, Functional Assay, Immunoprecipitation

PRODUCT SYNONYMS

CD74; Monoclonal Recombinant Antibody; Anti-CD74 [In-1]; Ia antigen; DHLAG; HLADG; Ia-gamma; H-2 class II histocompatibility antigen gamma chain; CLIP; LN-1; LN1; IN1; CD74 recombinant antibody

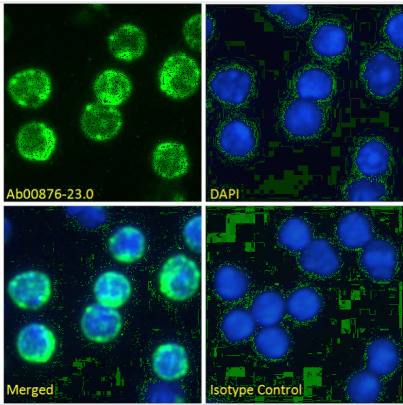
PRODUCT SPECIFICATIONS

Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG, Kappa
Clone Number	In-1
Specificity	This antibody binds to murine CD74.
Purity/Purification	Protein A Affinity Purified
Concentration	1 mg/ml (varies by lot)
Sequence Length	214
Applicable Applications for CD74 recombinant antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IP (Immunoprecipitation)
Immunogen	Mouse lymphocytes of strain A injected into Wistar rats.
Buffer Composition	PBS only with 0.02% Proclin 300.
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2b format, for improved compatibility with existing reagents, assays and techniques.
Labeled Substance	None
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



WB (Western Blot)

Western Blot using anti-CD74 antibody In-1. Mouse spleen (A) and mouse lymph node (B) lysate samples (35ug protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit version of In-1 at 0.0001 ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The expected running size for unmodified CD74 is 31.6kDa, and this protein is glycosylated at several residues. successfully detected CD74 in mouse spleen and mouse lymph node lysates.



IF (Immunofluorescence)

Immunofluorescence staining of fixed mouse splenocytes with anti-CD74 antibody In-1. Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes on Shi-fix coverslips, permeabilized with 0.15% Triton and stained with the chimeric rabbit IgG version of In-1 at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (1 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom DAPI, merged channels and an isotype control. The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for CD74 recombinant antibody	Recombinant monoclonal antibody to CD74. Manufactured using a proprietary Recombinant Platform with variable regions (i.e. specificity) from the hybridoma In-1. Mouse lymphocytes of strain A injected into Wistar rats.
Product Categories/Family for CD74 recombinant antibody	Immunology
References	Koch et al. Ia invariant chain detected on lymphocyte surfaces by monoclonal antibody Nature. 1982 Oct 14; 299(5884):644-5. PMID:6181417

NCBI AND UNIPROT INFORMATION

NCBI GI #	47523292
NCBI GeneID	396660
NCBI Accession #	NP_998939.1
NCBI GenBank Nucleotide #	NM_213774.1
NCBI Official Full Name	CD74 antigen
NCBI Official Symbol	CD74
NCBI Protein Information	CD74 antigen

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.