

Datasheet for ABIN7076707
anti-CD74 antibody (FITC)



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1 Image

Overview

Quantity:	50 tests
Target:	CD74
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD74 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	CD74 FITC Antibody
Immunogen:	An EBV-transformed B cell line from a patient with MHC class II deficiency
Clone:	PIN-1
Isotype:	IgG1, kappa
Characteristics:	PIN.1 recognizes a ~33-35 kDa protein doublet, corresponding to the apparent molecular mass of the p33 and p35 forms of the cytoplasmic tail of human CD74, a type II transmembrane glycoprotein. It is also known as invariant chain or MHC class II chaperone or MIF (macrophage migration inhibitory factor) receptor. It plays a critical role in the antigen processing leading to antigen presentation by MHC class II to CD4+ T cells. Antigen presenting cells such as B cells, monocytes/macrophages, dendritic cells, and Langerhans cells as well as activated T, carcinomas of lung, renal, gastric and thymic origins express CD74. The CD44 is an integral member of CD74 receptor complex and required for the CD74 signal transduction. CD74's

Product Details

cytoplasmic domain binds chromatin and regulates transcription and expression of genes involved in immune regulation, cell survival, and hematopoietic cancers. Published report claimed that the urease B subunit released by *H. pylori* binds to CD74 of gastric epithelial cells leading to induce NF- κ B activation and IL-8 production.

Purification: Purified

Purity: >95 %

Grade: GMP Grade

Target Details

Target: CD74

Alternative Name: CD74 ([CD74 Products](#))

Gene ID: 972

UniProt: [P04233](#)

Pathways: [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Negative Regulation of intrinsic apoptotic Signaling](#), [Cancer Immune Checkpoints](#)

Application Details

Application Notes: FC: 5 μ L/test We recommend that every lab carries out an initial titration study before running your samples to ensure that the optimal concentration is selected for your application.

Restrictions: For Research Use only

Handling

Format: Liquid

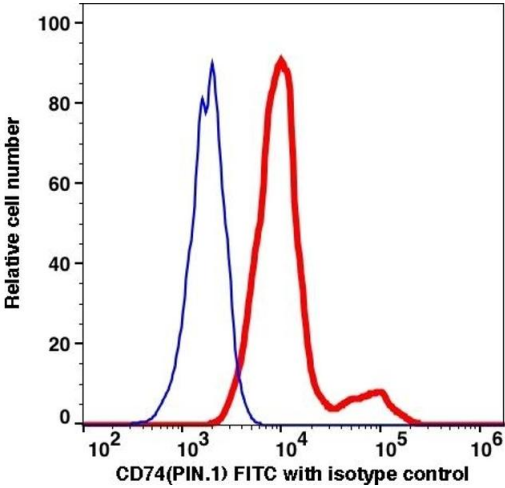
Buffer: PBS, pH 7.2, 0.09 % Sodium azide and 0.2 % (w/v) BSA

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: 2-8°C, Conjugated antibodies should never be frozen.



Flow Cytometry

Image 1.