

Datasheet for ABIN1724870
anti-CD74 antibody (AA 1-106)[Go to Product page](#)

5 Images

2 Publications

Overview

Quantity:	0.1 mg
Target:	CD74
Binding Specificity:	AA 1-106
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD74 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human CD74 (AA: 1-106) expressed in E. coli.
Clone:	2D1B11
Isotype:	IgG1
Purification:	purified

Target Details

Target:	CD74
Alternative Name:	CD74 (CD74 Products)
Background:	Description: The protein encoded by this gene associates with class II major histocompatibility complex (MHC) and is an important chaperone that regulates antigen presentation for immune

Target Details

response. It also serves as cell surface receptor for the cytokine macrophage migration inhibitory factor (MIF) which, when bound to the encoded protein, initiates survival pathways and cell proliferation. This protein also interacts with amyloid precursor protein (APP) and suppresses the production of amyloid beta (Abeta). Multiple alternatively spliced transcript variants encoding different isoforms have been identified. ,

Aliases: IL, DHLAG, HLADG, Ia-GAMMA

Molecular Weight: 33.5 kDa

Gene ID: 972

HGNC: 972

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: ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium azide

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/-20 °C

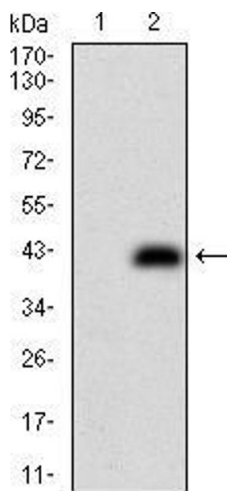
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Tian, Zhang, Li, Liu, Dong: "CD74: a potential novel target for triple-negative breast cancer." in: **Tumour biology**, Vol. 33, Issue 6, pp. 2273-7, (2012) ([PubMed](#)).

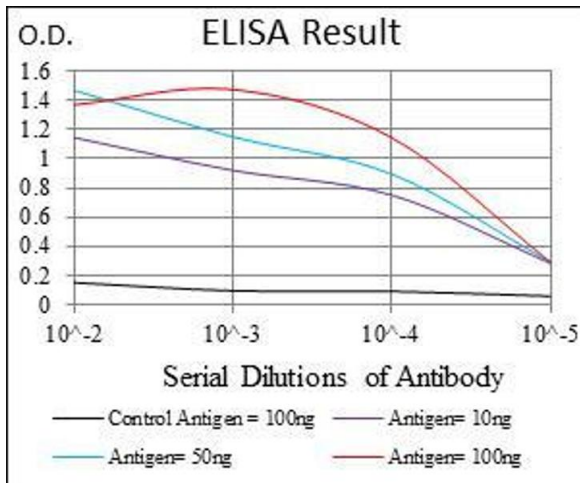
Zheng, Yang, Rong, Yuan, Ma, Wang, Shen, Cui: "CD74 and macrophage migration inhibitory factor as therapeutic targets in gastric cancer." in: **World journal of gastroenterology : WJG**,

Images



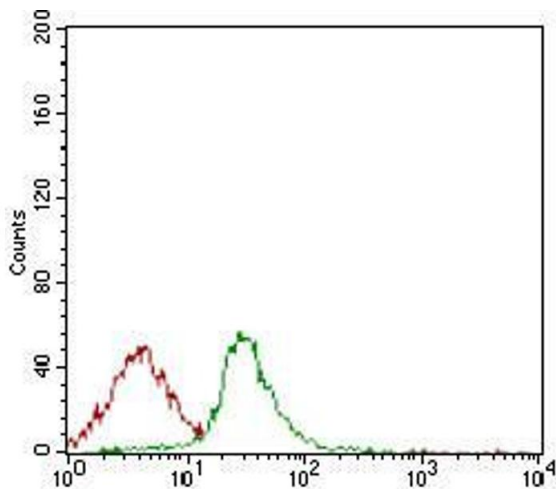
Western Blotting

Image 1. Western blot analysis using CD74 mAb against HEK293 (1) and CD74 (AA: 1-106)-hIgGFc transfected HEK293 (2) cell lysate.



ELISA

Image 2. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Flow Cytometry

Image 3. Flow cytometric analysis of Jurkat cells using CD74 mouse mAb (green) and negative control (red).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN1724870.