

Datasheet for ABIN536036
anti-CD72 antibody (PE)

3 Publications

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Overview

Quantity:	100 reactions
Target:	CD72
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD72 antibody is conjugated to PE
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

Purpose:	Mouse monoclonal antibody raised against native CD72.
Immunogen:	Native purified CD72 from normal human lymphocytes from lymph node.
Clone:	3F3
Isotype:	IgG2b
Specificity:	This antibody 3F3 reacts with CD72, a 39-43 kDa type II membrane glycoprotein (C-type lectin family). CD72 is a pan-B cell marker expressed throughout the B lymphocytes differentiation with the exception of plasma cells, it is also present on follicular dendritic cells.
Cross-Reactivity:	Human

Target Details

Target:	CD72
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Target Details

Alternative Name: CD72 ([CD72 Products](#))

Gene ID: 971

Pathways: [BCR Signaling](#)

Application Details

Application Notes: Flow Cytometry (20 µL in human blood cells 100 µL in whole blood or 10⁶ cells in a suspension)
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In PBS (0.2 % BSA, 0.09 % 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

Storage Comment: Store in the dark at 4°C. Do not freeze.
Avoid prolonged exposure to light.
Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Mizrahi, Markel, Porgador, Bushkin, Mandelboim: "CD100 on NK cells enhance IFNgamma secretion and killing of target cells expressing CD72." in: **PLoS ONE**, Vol. 2, Issue 9, pp. e818, (2007) ([PubMed](#)).

Kumanogoh, Shikina, Watanabe, Takegahara, Suzuki, Yamamoto, Takamatsu, Prasad, Mizui, Toyofuku, Tamura, Watanabe, Parnes, Kikutani: "Requirement for CD100-CD72 interactions in fine-tuning of B-cell antigen receptor signaling and homeostatic maintenance of the B-cell compartment." in: **International immunology**, Vol. 17, Issue 10, pp. 1277-82, (2005) ([PubMed](#)).

Kumanogoh, Kikutani: "The CD100-CD72 interaction: a novel mechanism of immune regulation." in: **Trends in immunology**, Vol. 22, Issue 12, pp. 670-6, (2001) ([PubMed](#)).

