



Datasheet for ABIN4369567  
**anti-CD300a antibody (PE)**



[Go to Product page](#)

1 Image

3 Publications

### Overview

Quantity:	100 reactions
Target:	CD300a (CD300A)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD300a antibody is conjugated to PE
Application:	Western Blotting (WB), Flow Cytometry (FACS)

### Product Details

Purpose:	Mouse monoclonal antibody raised against native CD300A.
Immunogen:	Native purified CD300A from human HPB acute lymphoid leukaemia cell line.
Clone:	MEM-260
Isotype:	IgG1
Specificity:	This antibody reacts with CD300a, a 60 kDa leukocyte transmembrane glycoprotein expressed on human granulocytes, monocytes, neutrophils, NK cells, mast cells and dendritic cells, 25 % of circulating T cells and 15 % of circulating B cells.
Cross-Reactivity:	Human

### Target Details

Target:	CD300a (CD300A)
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## Target Details

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Alternative Name:	CD300A / CMRF35H ( <a href="#">CD300A Products</a> )
Gene ID:	11314
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a>

## Application Details

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Application Notes:	Flow Cytometry (20 $\mu$ L in human blood cells 100 $\mu$ L in whole blood or $10^6$ cells in a suspension) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

## Handling

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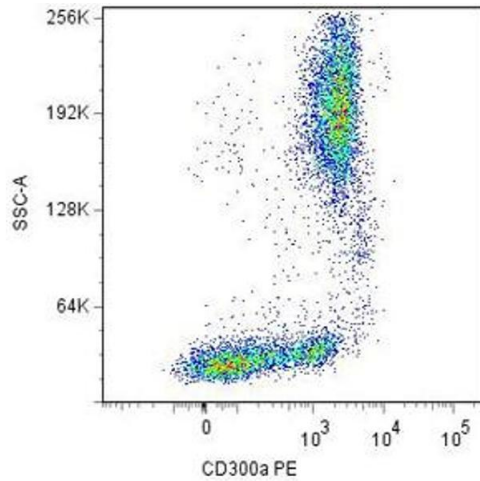
Format:	Liquid
Buffer:	In PBS (0.2 % BSA, 0.09 % sodium azide)
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.

## Publications

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Product cited in:	Dimasi, Roessle, Moran, Candiano, Svergun, Biassoni: "Molecular analysis and solution structure from small-angle X-ray scattering of the human natural killer inhibitory receptor IRp60 (CD300a)." in: <b>International journal of biological macromolecules</b> , Vol. 40, Issue 3, pp. 193-200, (2007) ( <a href="#">PubMed</a> ).
	Alvarez, Tang, Coligan, Borrego: "The CD300a (IRp60) inhibitory receptor is rapidly up-regulated on human neutrophils in response to inflammatory stimuli and modulates CD32a (Fc $\gamma$ RIIa) mediated signaling." in: <b>Molecular immunology</b> , Vol. 45, Issue 1, pp. 253-8, (2007) ( <a href="#">PubMed</a> ).
	Bachelet, Munitz, Levi-Schaffer: "Abrogation of allergic reactions by a bispecific antibody

fragment linking IgE to CD300a." in: **The Journal of allergy and clinical immunology**, Vol. 117, Issue 6, pp. 1314-20, (2006) ([PubMed](#)).



### Flow Cytometry

**Image 1.** Surface staining of human peripheral blood cells with CD300A monoclonal antibody, clone MEM-260 (PE) .