

Datasheet for ABIN7193295  
**anti-CD43 antibody (AA 20-253)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	0.1 mg
Target:	CD43 (SPN)
Binding Specificity:	AA 20-253
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD43 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Neutralization (Neut)

## Product Details

Immunogen:	Purified recombinant fragment of human CD43 (AA: extra 20-253) expressed in E. coli.
Clone:	1H8B10
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	CD43 (SPN)
Alternative Name:	CD43 ( <a href="#">SPN Products</a> )
Background:	Description: This gene encodes a highly sialylated glycoprotein that functions in antigen-

## Target Details

specific activation of T cells, and is found on the surface of thymocytes, T lymphocytes, monocytes, granulocytes, and some B lymphocytes. It contains a mucin-like extracellular domain, a transmembrane region and a carboxy-terminal intracellular region. The extracellular domain has a high proportion of serine and threonine residues, allowing extensive O-glycosylation, and has one potential N-glycosylation site, while the carboxy-terminal region has potential phosphorylation sites that may mediate transduction of activation signals. Different glycoforms of this protein have been described. In stimulated immune cells, proteolytic cleavage of the extracellular domain occurs in some cell types, releasing a soluble extracellular fragment. Defects in expression of this gene are associated with Wiskott-Aldrich syndrome.

Aliases: SPN, LSN, GALGP, GPL115

Molecular Weight:	40.3 kDa
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Gene ID:	6693
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Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a>
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## Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400, ICC: N/A, IHC: N/A
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Restrictions:	For Research Use only
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## Handling

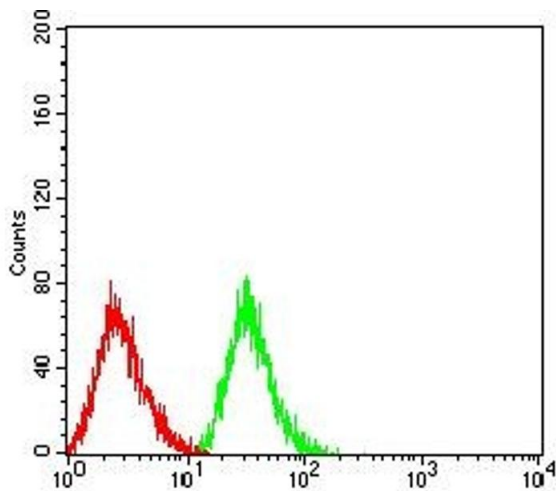
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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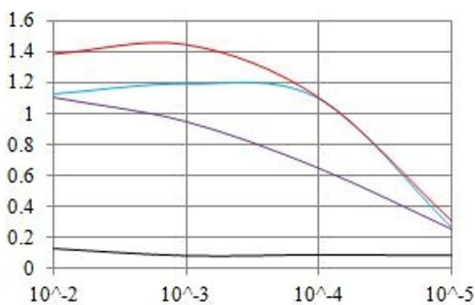
Storage Comment:	4°C, -20°C for long term storage
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Flow Cytometry

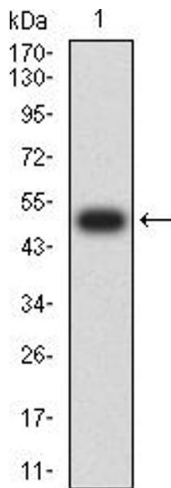
**Image 1.** Flow cytometric analysis of HL-60 cells using CD43 mouse mAb (green) and negative control (red).

O.D. ELISA Result



Serial Dilutions of Antibody

— Control Antigen = 100ng — Antigen = 10ng  
— Antigen = 50ng — Antigen = 100ng



ELISA

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

Western Blotting

**Image 3.** Western blot analysis using CD43 mAb against human CD43 (AA: extra 20-253) recombinant protein. (Expected MW is 49.4 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7193295.