

Datasheet for ABIN7505943

anti-CD52 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	CD52
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD52 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Hu CD52 Purified
Immunogen:	human lymphocytes
Clone:	4C8
Isotype:	IgG3
Specificity:	The mouse monoclonal antibody 4C8 recognizes CD52, a GPI-anchored glycopeptide expressed on the surface of lymphocytes, macrophages, epithelial cells of male reproductive tract, and mature sperms.
Purification:	Purified by protein-A affinity chromatography.

Target Details

Target:	CD52
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Target Details

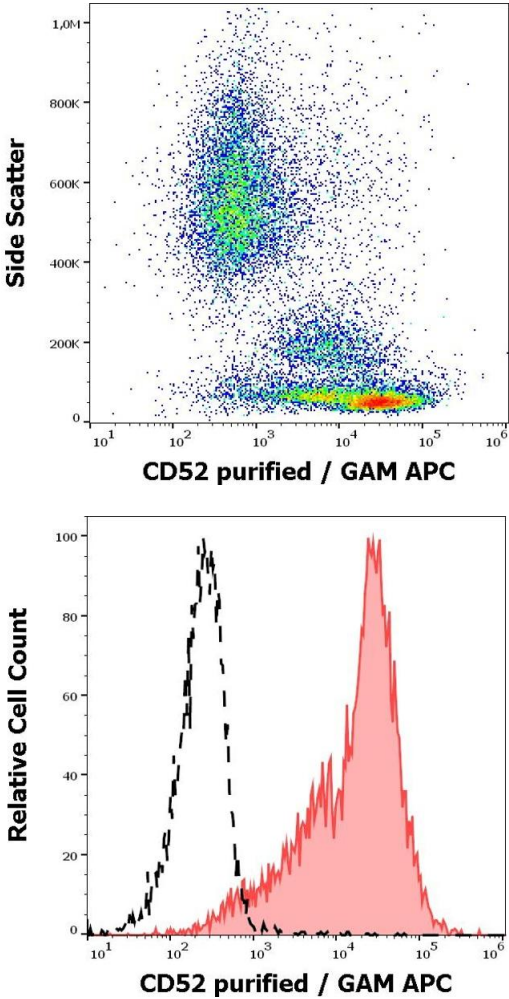
Alternative Name:	CD52 (CD52 Products)
Background:	CD52 Molecule,CD52 (CAMPATH-1, HE5) is a highly glycosylated GPI-anchored 21-28 kDa glycopeptide which is present at high levels on lymphocytes, macrophages, epithelial cells of male reproductive tract and mature sperm. Its 12-amino acid backbone carries a complex N-linked carbohydrate moiety, which differs between sperm and leukocyte CD52, as well as the GPI anchor does. CD52 can be acquired by sperm cells from seminal plasma, where it is released by epithelial cells. Although CD52 is not an essential T-cell costimulator, its triggering results in activation of normal human T cells. CD52 is a very good target for antibody/complement-mediated cell lysis.,CAMPATH-1, HE5, ESPE5
Gene ID:	1043
UniProt:	P31358

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM 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 at 2-8°C. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD52 (4C8) purified antibody (concentration in sample 0,6 µg/mL, GAM APC).

Flow Cytometry

Image 2. Separation of lymphocytes stained anti-human CD52 (4C8) purified antibody (concentration in sample 0,6 µg/mL, GAM APC, red-filled) from lymphocytes unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).