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Datasheet for ABIN94170 anti-CD52 antibody

Image



Overview

Quantity:	0.1 mg
Target:	CD52
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD52 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

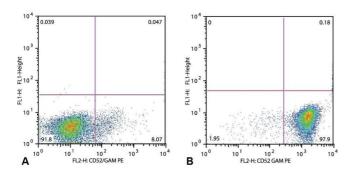
Product Details

Immunogen:	Human tonsil
Clone:	HI186
lsotype:	lgG2b
Specificity:	The antibody HI186 reacts with CD52 (CAMPATH-1), a 21-28 kDa extracellular glycoprotein containing a large N-linked carbohydrate moiety, mature CD52 Molecule is actually much smaller (approx. 8-9 kDa). CD52 is expressed at high levels on lymphocytes, monocytes/macrophages and in male reproductive tract.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

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Target Details

Target:	CD52
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 beckbone 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: 2 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.
Handling Advice:	Do not freeze.
Handling Advice: Storage:	Do not freeze. 4 °C



Flow Cytometry

Image 1. Flow cytometry analysis of CD52 in patients suffering with Acute Lymphoblastic Leukemia (anti-human CD52 (HI186), detection by Goat anti-mouse IgG2b PE). Fig. 1A - CD52 negative pro T ALL (gate leukemic cells) Fig. 1B - CD52 positive cALL (gate leukemic cells)

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