antibodies - online.com







anti-CD52 antibody (PE)

Images



Overview

Quantity:	100 tests
Target:	CD52
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD52 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

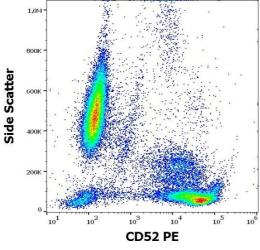
Purpose:	Anti-Hu CD52 PE
Immunogen:	human lymphocytes
Clone:	4C8
Isotype:	lgG3
Specificity:	The mouse monoclonal antibody 4C8 recognizes CD52, a GPI-anchored glycopeptide expressed on the surface of lymphocytes, macrophages, epithelial cells of male reproductive tract, and mature sperms.
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

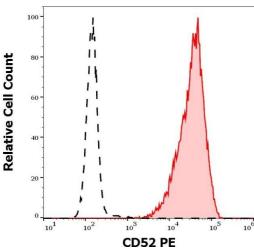
Target Details

Target:

Target Details

rarget betails	
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: The reagent is designed for analysis of human blood cells using 10 µL reagent
	/ 100 μL of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient fo
	100 tests.
Restrictions:	For Research Use only
Handling	
Buffer:	Stabilizing 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. Protect from prolonged exposure to light. Do not freeze.





Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD52 (4C8) PE antibody (10 μ L reagent / 100 μ L of peripheral whole blood).

Flow Cytometry

Image 2. Separation of human CD52 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD52 (4C8) PE antibody (10 μ L reagent / 100 μ L of peripheral whole blood).