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# anti-CD52 antibody (APC)

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**Images** 



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

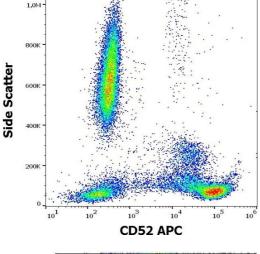
# **Product Details**

Immunogen:	Human tonsil	
Clone:	HI186	
Isotype:	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 antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.	

# **Target Details**

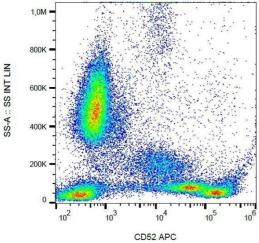
Target:	CD52	
Alternative Name:	CD52 (CD52 Products)	
Background:	CD52 Molecule,CD52 (CAMPATH-1, HE5) is a highly glycosylated GPI-anchored 21-28 kDa glycopeptide which is present at high levels on lymphocytes, macrophages, epithelial cells of male reproductive tract and mature sperm. Its 12-amino acid 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 triggerin 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 $\mu$ L reagen / 100 $\mu$ L of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.	
Comment:	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.	
Restrictions:	For Research Use only	
Handling		
Reconstitution:	No reconstitution is necessary.	
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.	
Handling Advice:	Do not freeze.  Avoid prolonged exposure to light.	
	4 °C	

# **Images**



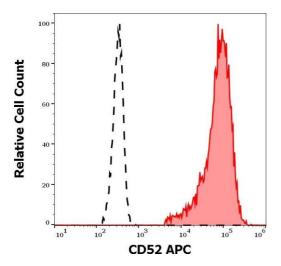
# Flow Cytometry

**Image 1.** Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD52 (HI186) APC antibody (10  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).



# **Flow Cytometry**

**Image 2.** Surface staining of CD52 in human peripheral blood with anti-CD52 (HI186) APC.



## **Flow Cytometry**

**Image 3.** 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 (HI186) APC antibody (10  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).