

## CD52 monoclonal antibody, clone HI186 (PE)

Catalog # MAB4449

Size 100 Reactions

### Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against native CD52.
<b>Immunogen</b>	Native purified CD52 from human tonsil.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Specificity</b>	This antibody reacts with CD52 (CAMPATH-1), a 21-28 KDa 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.
<b>Form</b>	Liquid
<b>Conjugation</b>	PE
<b>Isotype</b>	IgG2b
<b>Recommend Usage</b>	Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or $10^6$ cells in a suspension) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.2% BSA, 0.09% sodium azide)
<b>Storage Instruction</b>	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Flow Cytometry

## Gene Info — CD52

Entrez GeneID	<a href="#">1043</a>
Gene Name	CD52
Gene Alias	CDW52
Gene Description	CD52 molecule
Omim ID	<a href="#">114280</a>
Gene Ontology	<a href="#">Hyperlink</a>
Other Designations	CD52 antigen CD52 antigen (CAMPATH-1 antigen) CDW52 antigen (CAMPATH-1 antigen) OTT HUMP00000003570

## Publication Reference

- [Role of male reproductive tract CD52 \(mrt-CD52\) in reproduction.](#)

Koyama K, Ito K, Hasegawa A.  
Soc Reprod Fertil Suppl 2007 Jan; 63:103.

- [CD52 antigen--a review.](#)

Domagala A, Kurpisz M.  
Medical Science Monitor: International Medical Journal of Experimental and Clinical Research 2001 Mar; 7(2):325.  
  
Application: Flow Cyt, IF, WB, Human, Human spermatozoa

- [Male-specific modification of human CD52.](#)

Schröter S, Derr P, Conradt HS, Nimtz M, Hale G, Kirchhoff C.  
The Journal of Biological Chemistry 1999 Oct; 274(42):29862.  
  
Application: WB, Human, Lymphocytes, Seminal plasma