CD52 monoclonal antibody, clone HI186 (FITC)

Catalog # MAB4448 Size 100 Reactions

Specification

Product Description	Mouse monoclonal antibody raised against native CD52.
Immunogen	Native purified CD52 from human tonsil.
Host	Mouse
Reactivity	Human
Specificity	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.
Form	Liquid
Conjugation	FITC
Isotype	IgG2b
Recommend Usage	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.
Storage Buffer	In PBS (0.2% BSA, 0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	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	1043
Gene Name	CD52
Gene Alias	CDW52
Gene Description	CD52 molecule
Omim ID	114280
Gene Ontology	Hyperlink
Other Designations	CD52 antigen|CD52 antigen (CAMPATH-1 antigen)|CDW52 antigen (CAMPATH-1 antigen)|OTTHUMP00000003570

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