OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SM3081R

CD52 Mouse Monoclonal Antibody [Clone ID: HI186]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HI186
Applications:	FC
Recommended Dilution:	**Flow Cytometry:** Use 20 µl to label 10^6 cells in a suspension or 100 µl whole blood. The content of a vial (2 ml) is sufficient for 100 tests.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human tonsil.
Specificity:	This antibody reacts with Human 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.
Formulation:	PBS Label: PE State: Liquid purified IgG fraction Stabilizer: 0.2% (w/v) high-grade protease free BSA Preservative: 15 mM Sodium Azide Label: Conjugated with R-Phycoerythrin under optimum conditions
Purification:	Size-Exclusion Chromatography
Conjugation:	PE
Storage:	Store the antibody at 2-8°C. **DO NOT FREEZE!** This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD52 molecule

View online »

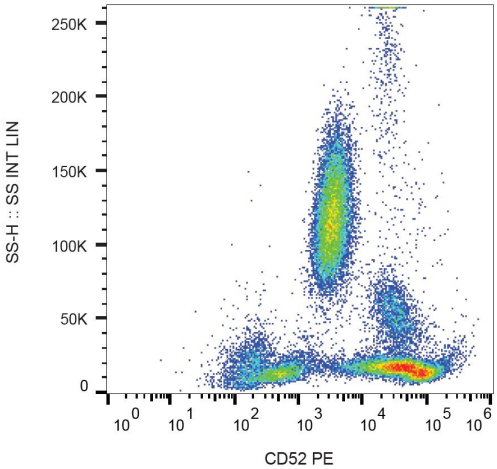
This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Database Link: Entrez Gene 1043 Human
P31358

Background: CD52 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.

Synonyms: HE5, CDw52

Product images:



Surface staining of CD52 in human peripheral blood with anti-CD52 (HI186) PE.

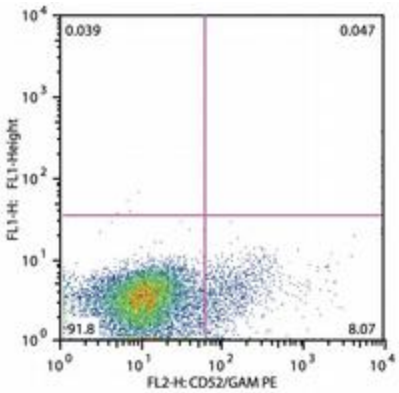


Figure 2. CD52 negative pro T ALL (gate leukemic cells).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US