



Anti-CD209 monoclonal antibody, clone MR-1 (CABT-47380MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Mouse anti Human CD209 antibody, clone MR-1 recognizes human DC-specific ICAM-3 grabbing nonintegrin (DC-SIGN), a 45kD C-type lectin that binds ICAM-3 also known as CD209. CD209 is primarily expressed on a population of immature dendritic cells in peripheral tissues and on immature myeloid monocyte-derived DCs in vitro. CD209 is involved in dendritic cell (DC) migration and the initial interaction between DCs and naive T lymphocytes. CD209 also binds HIV-1 gp120 and plays a key role in the dissemination of HIV-1 by DCs. Clone MR-1 is reported to partially block the functional activity of DC-SIGN. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.

Specificity	CD209
Immunogen	Immature myeloid monocyte-derived dendritic cells (MDDCs).
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	MR-1
Conjugate	Unconjugated
Applications	FC; FA; IF
Format	Purified IgG - liquid
Size	500 µg
Preservative	None

Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CD209 CD209 molecule [Homo sapiens (human)]
Official Symbol	CD209
Synonyms	CD209; CD209 molecule; CDSIGN; CLEC4L; DC-SIGN; DC-SIGN1; CD209 antigen; HIV gp120-binding protein; C-type lectin domain family 4 member L; C-type lectin domain family 4, member L; dendritic cell-specific ICAM-3-grabbing non-integrin 1; dendritic cell-spe
Entrez Gene ID	30835
Protein Refseq	NP_001138365
UniProt ID	Q9NNX6
Chromosome Location	19p13
Pathway	Measles; Phagosome; Tuberculosis;
Function	carbohydrate binding; mannose binding; metal ion binding; peptide antigen binding; protein binding; virion binding;