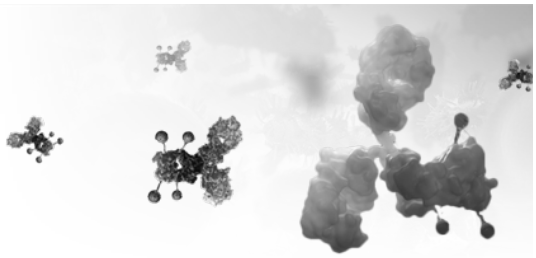

Mouse Anti-Human DC-SIGN monoclonal antibody, clone ED39 (CABT-L3176)

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

PRODUCT INFORMATION

Specificity	Detects human DC-SIGN in direct ELISAs and Western blots. Was reported to cross-react with human DC-SIGNR as well as DC-SIGN from Pigtailed Macaque and Rhesus Macaque
Target	Human DC-SIGN/DC-SIGNR
Immunogen	E. coli-derived recombinant human DC-SIGN, Extracellular domain
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	ED39
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	WB, FC, BL
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Format	Lyophilized
Size	100 µg, 500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None

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Storage	Long time storage is recommended at -20°C.
Ship	Wet ice

BACKGROUND

Introduction	DC-SIGN (Dendritic Cell- Specific ICAM-3 Grabbing Non-Integrin) has been shown to play an important role in regulating dendritic cell (DC) and T cell interactions, including antigen presentation to T cells and enhancement of transinfection of CD4+ T cells by HIV-1. Efforts to identify additional type II membrane proteins resulted in the isolation of a molecule related in sequence to DC-SIGN known as DC-SIGNR (DC-SIGN Related). DC-SIGNR shares 73 - 80% amino acid homology with DC-SIGN and is located on human chromosome 19p13.3. Its structure is similar to DC-SIGN and therefore binds mannose residues in a calcium dependent fashion, including ICAM-3 and HIV-1 gp120.
Keywords	DCSIGN+DCSIGNR;DC-SIGN+DC-SIGNR

GENE INFORMATION

Synonyms	DCSIGN+DCSIGNR; DC-SIGN+DC-SIGNR; Dendritic Cell- Specific ICAM-3 Grabbing Non-Integrin; DC-SIGN
Entrez Gene ID	30835

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