



Anti-ICAM2 monoclonal antibody, clone mIC2/4 (3C4) [R-PE] (CABT-50466RM)

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

PRODUCT INFORMATION

Product Overview

Rat anti Mouse CD102 antibody, clone mIC2/4 (3C4) recognizes murine intercellular adhesion molecule-2 (ICAM-2), also known as CD102. Murine CD102 is a glycosylated cell surface protein that is broadly expressed on most leucocytes and is constitutively expressed on endothelial cells. CD102 interacts with the CD11a/CD18 integrin LFA-1. Reports suggest that CD102 may play a role in lymphocyte re-circulation and T-cell activation. Rat anti Mouse CD102 antibody, clone mIC2/4 is reported to inhibit interactions between CD102 and LFA-1 (Xuet al. 1996). Flow Cytometry Use 10ul of the suggested working dilution to label 106cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.

Specificity	ICAM2
Immunogen	COS cells transfected with murine ICAM-2
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	mIC2/4 (3C4)
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests
Preservative	0.09% Sodium Azide

Storage

Store at +4°C. DO NOT FREEZE This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Icam2 intercellular adhesion molecule 2 [Mus musculus (house mouse)]
Official Symbol	ICAM2
Synonyms	ICAM2; intercellular adhesion molecule 2; CD102; Ly-60; Icam-2; lymphocyte function-associated AG-1 counter-receptor;
Entrez Gene ID	15896
Protein Refseq	NP_034624
UniProt ID	P35330
Chromosome Location	11 E1; 11 69.09 cM
Pathway	Adaptive Immune System; Cell adhesion molecules (CAMs); Extracellular matrix organization; Immune System; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell; Integrin cell surface interactions; Natural killer cell mediated cytotoxicity; XPodNet - protein-protein interactions in the podocyte expanded by STRING;
Function	integrin binding; protein binding;