



Anti-ICAM1 monoclonal antibody, clone 1A29 [R-PE] (CABT-46486MR)

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

PRODUCT INFORMATION

Product Overview

Mouse anti Rat CD54 antibody, clone 1A29 recognizes the rat CD54 cell surface antigen, also known as intercellular adhesion molecule-1 (ICAM-1), a 90kD adhesion molecule belonging to the immunoglobulin superfamily. CD54 is a cell surface ligand of the lymphocyte integrin, LFA-1 and is known to play an important role in various cell-cell interactions in the immune system. Recent studies suggest that cross-linking of ICAM-1 using clone 1A29 induces calcium signalling. Functionally 1A29 inhibits homotypic aggregation of PHA blasts. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.

Specificity	ICAM1
Immunogen	Rat Ax cells (a HEV derived cell line)
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rat
Clone	1A29
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests
Preservative	0.09% Sodium Azide
Storage	Prior to reconstitution store at +4°C. Following reconstitution 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	Icam1 intercellular adhesion molecule 1 [Rattus norvegicus (Norway rat)]
Official Symbol	ICAM1
Synonyms	ICAM1; intercellular adhesion molecule 1; CD54; ICAM; ICAM-1;
Entrez Gene ID	25464
Protein Refseq	NP_037099
UniProt ID	Q00238
Chromosome Location	8q13
Pathway	Adaptive Immune System; African trypanosomiasis; Cell adhesion molecules (CAMs); Epstein-Barr virus infection; Extracellular matrix organization; HTLV-I infection; IL-2 Signaling Pathway; IL-5 Signaling Pathway;
Function	integrin binding; protein complex binding;