



Anti-ICAM1 polyclonal antibody (CPBT-65043RH)

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

PRODUCT INFORMATION

Product Overview

Rabbit anti Human CD54 antibody recognizes human CD54, otherwise known as Intercellular adhesion molecule 1 or ICAM-1. CD54 is a 532 amino acid single pass type I membrane glycoprotein containing five Ig-like C2-type domains. CD54 is widely expressed and acts as a ligand for the leukocyte integrin LFA-1 (CD11a/CD18) and Mac-1 integrins, it is the major receptor for human rhinovirus. CD54 is highly expressed on activated endothelial cells and plays a role in transendothelial cell migration to sites of acute inflammation, functioning primarily as an adhesion molecule between endothelial cells and leucocytes, following injury or stress. Levels of soluble CD54 in serum or urine, can be potentially used as an indication of infection, inflammation and certain tumour, and as a target for immunosuppression in transplantation. ELISA This biotinylated human CD54 antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA.

Specificity	ICAM1
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Biotin
Applications	ELISA; WB
Format	Purified IgG conjugated to Biotin - lyophilised
Size	50 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	ICAM1 intercellular adhesion molecule 1 [Homo sapiens (human)]
Official Symbol	ICAM1
Synonyms	ICAM1; intercellular adhesion molecule 1; BB2; CD54; P3.58; ICAM-1; cell surface glycoprotein P3.58; major group rhinovirus receptor; intercellular adhesion molecule 1 (CD54), human rhinovirus receptor;
Entrez Gene ID	3383
Protein Refseq	NP_000192
UniProt ID	P05362
Chromosome Location	19p13.3-p13.2
Pathway	Adaptive Immune System; African trypanosomiasis; Cell adhesion molecules (CAMs); Cytokine Signaling in Immune system; Epstein-Barr virus infection; Extracellular matrix organization; Glucocorticoid receptor regulatory network; HTLV-I infection;
Function	integrin binding; protein binding; receptor activity; transmembrane signaling receptor activity; virus receptor activity;