

ARG62887 anti-CD54 / ICAM1 antibody [MEM-111]

Package: 100 µg, 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [MEM-111] recognizes CD54 / ICAM1
Tested Reactivity	Hu, Rat, Bov
Tested Application	ELISA, FACS, ICC/IF, IHC-Fr, IHC-P, WB
Specificity	The clone MEM-111 reacts with CD54 (ICAM-1), a 85-110 kDa type I transmembrane glycoprotein (receptor for rhinovirus). The expression of CD54 is upregulated by activation; it is expressed on activated endothelial cells, T lymphocytes, B lymphocytes, monocytes, macrophages, granulocytes and dendritic cells. HLDA VI; WS Code AS A049
Host	Mouse
Clonality	Monoclonal
Clone	MEM-111
Isotype	IgG2a
Target Name	CD54 / ICAM1
Species	Human
Immunogen	Raji human Burkitt's lymphoma cell line
Conjugation	Un-conjugated
Alternate Names	CD54; CD antigen CD54; BB2; P3.58; Intercellular adhesion molecule 1; Major group rhinovirus receptor; ICAM-1

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	FACS	2 µg/ml
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	IHC-P	10 µg/ml
	WB	1 µg/ml
Application Note	WB: Non-reducing condition. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	WB: Raji, K562, JY and activated T-lymphocytes. IHC-P: Thymus and RE cells	

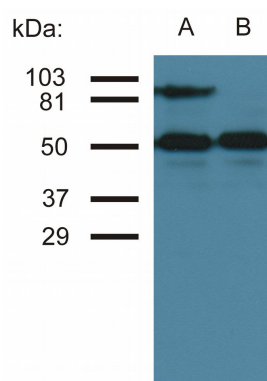
Properties

Form	Liquid
Purification	Purified from ascites by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ICAM1
Gene Full Name	intercellular adhesion molecule 1
Background	This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor. [provided by RefSeq, Jul 2008]
Function	ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation (By similarity). [UniProt]
Highlight	Related Antibody Duos and Panels: ARG30035 Phospho CD54 / ICAM1 Antibody Duo (Total, pY512) Related products: CD54 antibodies ; CD54 ELISA Kits ; CD54 Duos / Panels ; Anti-Mouse IgG secondary antibodies ;
Research Area	Cell Biology and Cellular Response antibody; Developmental Biology antibody; Immune System antibody; Cytotoxic T Cell Surface Study antibody
Calculated Mw	58 kDa
PTM	Monoubiquitinated, which is promoted by MARCH9 and leads to endocytosis.

Images



ARG62887 anti-CD54 / ICAM1 antibody [MEM-111] WB image

Western blot: 1. TNF-alpha activated HUVEC cell lysate, 2. HUVEC cell lysate stained with ARG62887 anti-CD54 / ICAM1 antibody [MEM-111].

Lower bands represent tubulin as a loading control.