

Product datasheet

info@arigobio.com

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;

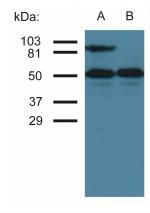
Research Area Cell Biology and Cellular Response antibody; Developmental Biology antibody; Immune System antibody;

Cytotoxic T Cell Surface Study antibody

Calculated Mw 58 kD

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.