

**ARG20938**  
**anti-CD54 / ICAM1 antibody [YN1/1.7.4] (Biotin)**Package: 250 µg  
Store at: 4°C

### Summary

Product Description	Biotin-conjugated Rat Monoclonal antibody [YN1/1.7.4] recognizes CD54 / ICAM1
Tested Reactivity	Ms
Tested Application	BL, FACS, ICC/IF, IHC-Fr, Puri, WB
Specificity	Mouse CD54.
Host	Rat
Clonality	Monoclonal
Clone	YN1/1.7.4
Isotype	IgG2b, kappa
Target Name	CD54 / ICAM1
Species	Mouse
Immunogen	Mouse NS-1 cells
Conjugation	Biotin
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
	BL	Assay-dependent
	FACS	< 1 µg/10 <sup>6</sup> cells
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	Puri	Assay-dependent
	WB	Assay-dependent

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

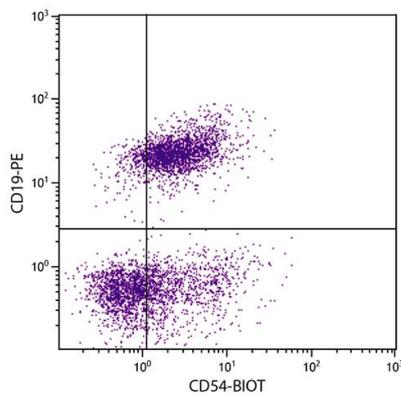
Form	Liquid
Buffer	PBS and 0.1% Sodium azide.
Preservative	0.1% Sodium azide
Concentration	0.5 mg/ml

Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. 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

Database links	<a href="#">GeneID: 15894 Mouse</a> <a href="#">Swiss-port # P13597 Mouse</a>
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]
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



ARG20938 anti-CD54 / ICAM1 antibody [YN1/1.7.4] (Biotin) FACS image

Flow Cytometry: BALB/c Mouse splenocytes stained with ARG20938 anti-CD54 / ICAM1 antibody [YN1/1.7.4] (Biotin) and [ARG20852](#) anti-CD19 antibody [6D5] (PE) followed by Streptavidin (FITC).