

# Anti-Human CD54 Icam1 Monoclonal Antibody APC Conjugated, Flow Validated

Catalog Number: FC00171-APC

## Introduction

IV.3 reacts with a low affinity receptor for the Fc of IgG (FcγRII, CD32) that is expressed on human platelets, monocytes, granulocytes and B cells. IV.3 also cross-reacts with granulocytes and monocytes from peripheral blood lymphocytes from non-human primates.

This antibody is routinely tested by flow cytometric analysis. Flow cytometry and other applications were tested during antibody development by CapricoBio or are reported in the literature.

## Application Information

Each lot of this antibody has been pre-titrated and tested by flow cytometric analysis of human PBMCs such that 5ul of this product is sufficient for staining of 1 million cells in a 100ul staining volume or 100ul of whole blood. It is recommended that antibody reactivity be empirically titrated for optimal performance in the application of interest.

## Overview

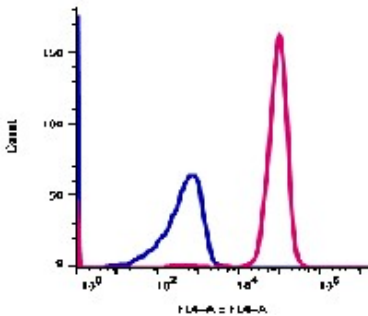
Product Name	Anti-Human CD54 Icam1 Monoclonal Antibody APC Conjugated, Flow Validated
Reactive Species	Human
Description	Boster Bio Anti-Human CD54 Icam1 Monoclonal Antibody APC Conjugated, Flow Validated (Catalog# FC00171-APC). Tested in Flow Cytometry application(s). This antibody reacts with Human.
Conjugate	APC
Application	Flow Cytometry
Clonality	Monoclonal Clone: LB-2
Formulation	PBS pH 7.2, 0.2% (w/v) BSA, 0.09% (w/v) sodium azide
Storage Instructions	Store at 2-8°C. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P05362

## Technical Details

Immunogen	MHC Class II antigen negative human Blymphoblastoid cell line
Predicted Reactive Species	Bovine, Canine

Isotype	IgG2b,k
Form	Liquid, in PBS, pH7.2, <0.09% NaN3 and 0.2% (w/v) BSA
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity column chromatography
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>User needs to optimize the dilution ratio for this antibody.</p>

## Anti-Human CD54 Icam1 Monoclonal Antibody APC Conjugated, Flow Validated (FC00171-APC) Images



Daudi gated cells stained with APC conjugated mouse anti-human CD54 (clone LB-2) (red histogram). Daudi gated cells stained with APC conjugated mouse IgG2b isotype control (Blue histogram).

## 4 Publications Citing This Product

1. PubMed ID: 25153881, Anti-inflammatory effect of the blueberry anthocyanins malvidin-3-glucoside and malvidin-3-galactoside in endothelial cells
2. PubMed ID: 23497622, Wang W, Zhao F, Fang Y, Li X, Shen L, Cao T, Zhu H. Crit Care. 2013 Mar 11;17(2):R44. Doi: 10.1186/Cc12558. Glycyrrhizin Protects Against Porcine Endotoxemia Through Modulation Of Systemic Inflammatory Response.
3. PubMed ID: 19598299, Yao Jh, Zhang Xs, Zheng Ss, Li Yh, Wang Lm, Wang Zz, Chu L, Hu Xw, Liu Kx, Tian Xf. World J Gastroenterol. 2009 Jul 14;15(26):3240-5. Prophylaxis With Carnosol Attenuates Liver Injury Induced By Intestinal Ischemia/Reperfusion.

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