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In Vivo Ready™ Anti-Human CD54 (ICAM-1) (15.2) Antibody

Catalog # ATB10147

Specification

In Vivo Ready™ Anti-Human CD54 (ICAM-1) (15.2) Antibody - Product Information

Application	**WB, IHC-F, FC, FA**
Isotype	**Mouse IgG1**
Concentration	**2 mg/mL**
Reactivity	**Human**
Formulation	**10 mM NaH2PO4, 150 mM NaCl, pH7.2**
Host	**Mouse**

In Vivo Ready™ Anti-Human CD54 (ICAM-1) (15.2) Antibody - Additional Information

Gene ID	**3383**
Gene Name	**ICAM1**

Alternative Name(s)
Intercellular adhesion molecule-1, ICAM1

Format
In Vivo Ready™

Preparation
This monoclonal antibody preparation was purified from tissue culture supernatant via affinity chromatography. For In Vivo Ready™ (IVR) products, each preparation is also evaluated for endotoxin levels using the LAL assay. It is recommended to store the product undiluted at 4°C. Do not freeze.

Application Notes
This purified format is guaranteed to be >90% pure as determined by SDS-PAGE analysis. Citations are provided as a convenience to you - please consult Materials and Methods sections for additional details about the use of any product in these publications.

Endotoxin Level
Less than or equal to 0.01 EU/ug, as determined by the LaL assay

Storage Conditions
2-8°C

In Vivo Ready™ Anti-Human CD54 (ICAM-1) (15.2) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence

- Immunoprecipitation
- Flow Cytomety
- Cell Culture

In Vivo Ready™ Anti-Human CD54 (ICAM-1) (15.2) Antibody - Images

In Vivo Ready™ Anti-Human CD54 (ICAM-1) (15.2) Antibody - Background

The 15.2 antibody reacts with human CD54, also known as ICAM-1 (Intercellular Adhesion Molecule 1), a 90-110 kDa cell surface glycoprotein that is inducibly expressed on both immune and endothelial cells. As its name implies, ICAM-1 participates in cell-cell adhesion between leukocytes and endothelial cells, facilitating leukocyte recruitment and transmigration at sites of inflammation. The ligands for ICAM-1 are also expressed on leukocyte and endothelial cells, and include Mac-1, fibrinogen, and a member of the integrin protein family, LFA-1 (CD11a).The 15.2 antibody may be used for analysis of ICAM-1 expression in human cells and tissues, and is reported to be cross-reactive with porcine ICAM-1.