

Mouse monoclonal anti human CD54

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0234
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Recombinant human CD54
Ig Type:	Mouse IgG2a
Clone	AP-MAB1634
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC and IHC

Description: Intercellular Adhesion Molecule-1 (ICAM-1) is a member of the immunoglobulin supergene family and functions as a ligand for the Lymphocyte Function-Associated Antigen-1 (LFA-1), an alpha-betacomplex that is a member of the leukocyte integrin family of cell-cell and cell-matrix receptors. ICAM-1 is a single-chain glycoprotein with a polypeptide core of 55 kD that can be expressed on non-hematopoietic cells of many lineages such as vascular endothelial cells, thymic epithelial cells, other epithelial cells and fibroblasts and on hematopoietic cells such as tissue macrophages, mitogen-stimulated T-lymphoblasts, germinal center B cells and dendritic cells in tonsils, lymph nodes and Peyer's patches.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with **Recombinant human CD54**).

Formulation: The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS, **Azide Free**).

Reconstitution: Reconstitute the antibody with sterile PBS and the reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

***Endotoxin Level:** Extremely low level of LPS (< 0.002EU/μg IgG)

Application(s):

1. FC
2. ICC
3. Inhibition of leukocyte and endothelial adhesion

* The antibody is produced by in vitro culture and for research use only