

10-7583: Monoclonal antibody to ICAM-1 (Clone: ABM5B10)

Clonality :	Monoclonal
Clone Name :	ABM5B10
Application :	WB
Reactivity :	Human
Gene :	ICAM1
Gene ID :	3383
Uniprot ID :	P05362
Format :	Purified
Alternative Name :	ICAM1
Isotype :	Mouse IgG1 Kappa
Immunogen Information :	A partial length recombinant protein from N terminal portion of ICAM-1 was used as the immunogen for this antibody.

Description

ICAM-1 is a transmembrane glycoprotein with a variable degree of glycosylation and is a fundamental component in many immune-related processes. The major functions of ICAM-1 are T-cell activation and leukocyte-endothelial cell interaction via lymphocyte function-associated antigen-1 and macrophage-1 antigen targeting. ICAM-1 is also known to be involved in experimental models of uveitis. In addition to uveitis, proliferative vitreoretinopathy, diabetic retinopathy, and macular pucker are all associated with ICAM-1 expression. ICAM-1 is associated with an inflammatory response, with the encoded protein being expressed on the cell membrane of several cell types including endothelial cells, epithelial cells, and fibroblasts. It is the most important receptor of human rhinovirus infection. Genetic variants in ICAM-1 gene have been shown to regulate the expression level and have been widely studied for possible genetic association with a range of degenerative and inflammatory diseases.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 2-4 µg/ml

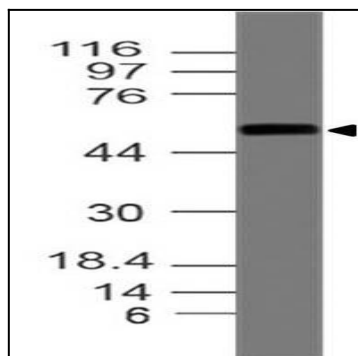


Fig:1- Expression analysis of ICAM 1. Anti-ICAM 1 antibody (Clone: ABM5B10) was tested at 2 µg/ml on Raji lysate.