

Recombinant Human ICAM2 Protein, His-tagged

Cat. No. ICAM2-059H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ICAM2 Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Intercellular cell adhesion molecule-2 (CD102/ICAM-2) is a cell surface glycoprotein that belongs to the immunoglobulin superfamily (IgSF) of adhesion molecules. Like CD54/ICAM-1, CD102/ICAM-2 is a ligand that binds the leukocyte adhesion molecule LFA-1 (leukocyte function-associated antigen-1), which mediates intercellular interactions between immune cells and other cell types. Expression of CD102/ICAM-2 has been shown to affect angiogenesis, cellular radioresistance and anti-tumor immune response. Along with CD54/ICAM-1, CD102/ICAM-2 mediates T cell crawling and diapedesis across the blood-brain barrier, as well as T cell migration across the bronchial epithelium. CD102/ICAM-2 interaction with the actin cytoskeleton through α-actinin has been shown to limit the mobility on neuroblastoma cells, and this effect is dependent on glycosylation of CD102/ICAM-2.
Molecular Mass	~30 kDa
AA Sequence	KVFEVHVRPKKLAVEPKGSLEVNCSTTCNQPEVGGLETSLDKILLDEQAQWKHYLV SNISHDTVLQCHFTCSGKQESMNSNVSVYQPPRQVILTQPTLVAVGKSFTIECRVP TVEPLDSLTLFLFRGNETHYETFGKAAPAPQEATATFNSTADREDGHRNFSCLAVL DLMSRGGNIFHKHSAPKMLEIYEPVSDSQ

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Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name	ICAM2 intercellular adhesion molecule 2 [Homo sapiens (human)]
Official Symbol	ICAM2
Synonyms	ICAM2; intercellular adhesion molecule 2; CD102; ICAM-2;
Gene ID	3384
mRNA Refseq	NM_000873
Protein Refseq	NP_000864
MIM	146630
UniProt ID	P13598

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