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Product datasheet for CF506870

ICAM1 Mouse Monoclonal Antibody [Clone ID: OTI2H4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2H4
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human ICAM1(NP_000192) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55.2 kDa
Gene Name:	intercellular adhesion molecule 1
Database Link:	NP_000192 Entrez Gene 3383 Human P05362
Background:	This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor. [provided by RefSeq, Jul 2008]

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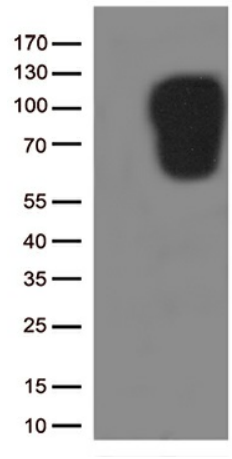
Synonyms: BB2; CD54; P3.58

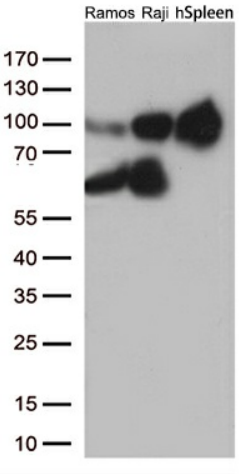
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Natural killer cell mediated cytotoxicity, Viral myocarditis

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ICAM1 (Cat# [RC200714], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ICAM1 (Cat# [TA506870])(1:500).



Western blot analysis of extracts (35ug) from 2 different cell lines and human spleen tissue by using anti-ICAM1 monoclonal antibody (1:100).

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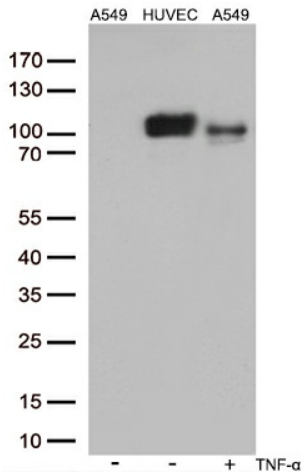
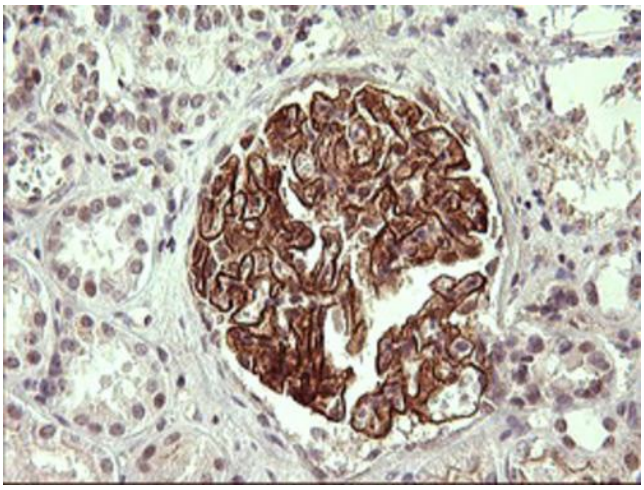
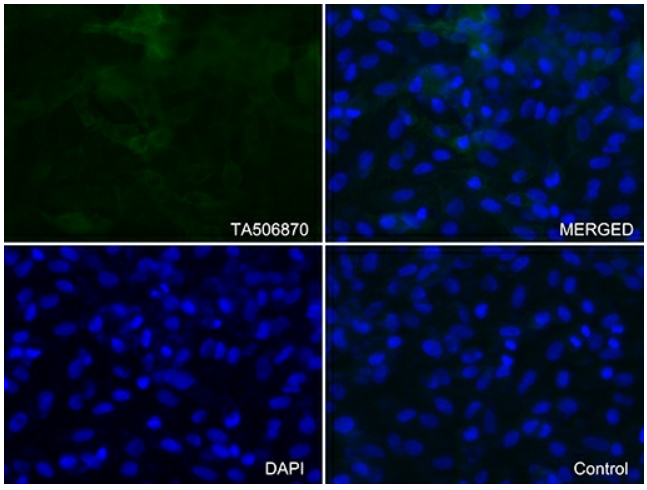


Western blot analysis of extracts (35ug) from A549 cells (-), HUVEC cells (-) and A549 cells treated with 20ng/ml TNF-a for 24h (+), using anti-ICAM1 monoclonal antibody (1:100).



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-ICAM1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunofluorescent staining of living A549 cells treated with 20ng/ml TNF-a for 24h using anti-ICAM1 mouse monoclonal antibody ([TA506870], green, upper left; merged, upper right) or untreated A549 cells (merged, lower right). Cell nuclei were stained with DAPI (blue, lower left) (1:100).

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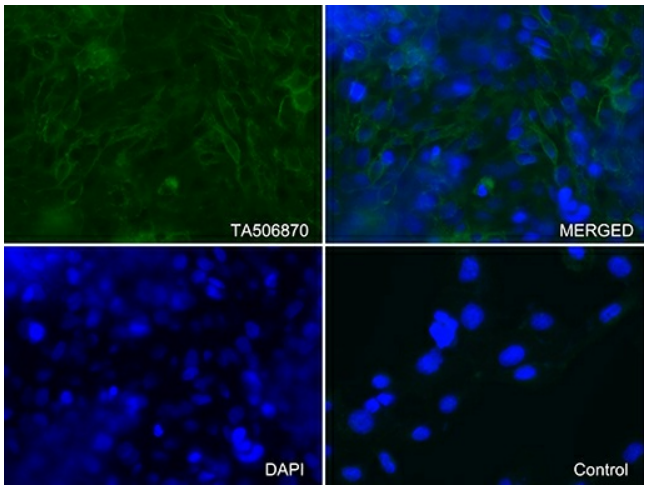
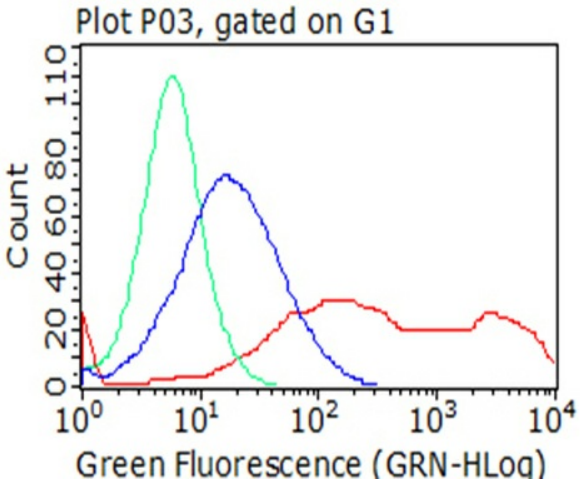
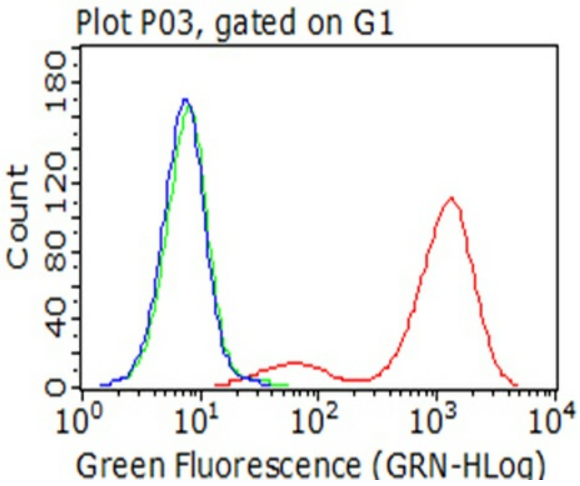


Immunofluorescent staining of living HUVEC cells treated with 20ng/ml TNF-a for 5h using anti-ICAM1 mouse monoclonal antibody ([TA506870], green, upper left; merged, upper right) or untreated HUVEC cells (merged, lower right). Cell nuclei were stained with DAPI (blue, lower left) (1:100).



HEK293T cells transfected with either [RC200714] overexpress plasmid (Red), compared to an IgG isotype control, (Green) or empty vector control plasmid (Blue) were immunostained by anti-ICAM1 antibody ([TA506870]), and then analyzed by flow cytometry (1:100).



Flow cytometric Analysis of living HUVEC cells, using anti-ICAM1 antibody ([TA506870]), (Red), compared to an IgG isotype control, (green), and negative control (PBS), (Blue) (1:100).

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