abcam

ab233828

Anti-ICAM2 antibody [6B9G10]

Mouse Monoclonal ICAM2 antibody. Suitable for Flow Cyt, WB and reacts with Human samples. Cited in 1 publication. Immunogen corresponding to Recombinant Fragment Protein within Human ICAM2 aa 1-250.

Image updates are in progress. Products remain available and covered by the Abcam Product Promise. Learn more.

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	Preservative: 0.05% Sodium azide Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Fragment Protein within Human ICAM2 aa 1-250. The exact immunogen used to generate this antibody is proprietary information. Database link P13598
Clone number	6B9G10
Purification technique	Affinity purification Protein G
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	1/200 - 1/400

Notes	-

Predicted

Species	Chimpanzee, Gorilla
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	1/500 - 1/2000
Notes	-

Predicted

Species	Chimpanzee, Gorilla
Dilution info	-
Notes	-

Target data

See full target information ICAM2

Function Cell adhesion molecule that functions as a receptor ligand of the signaling receptor ITGAL:ITGB2/LFA-1 (lymphocyte-function associated (LFA) molecule 1) ensuring leukocyte cell-cell adhesion on resting cells (PubMed:10077629, PubMed:1676048, PubMed:2497351). Also endothelial blood vessels receptor ligand of dendritic cell (DC) CD209 signaling receptor that mediates triggering transendothelial migration of DC presursors from blood into peripheral tissues and, subsequently, into lymphoid tissues (PubMed:11017109). Mediates adhesive interactions important for antigen presentation, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance (Probable).

Storage

Shipped at conditions Blue Ice

Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	ICAM2 also known as IC2 or ICAM-2 is a cell surface glycoprotein with a molecular mass of approximately 55-65 kDa. It plays an important role in immune response. The protein belongs to the immunoglobulin superfamily and interacts specifically with integrin molecules. ICAM2 is expressed widely across many tissues including endothelial cells platelets and leukocytes. Its primary function involves facilitating stable adhesion between leukocytes and endothelial cells which is essential for leukocyte transmigration.
Biological function summary	ICAM2 helps in immune function by serving as an adhesion molecule. It does not form part of a larger protein complex but instead it acts independently to mediate interactions between cells. It contributes to leukocyte rolling and firm adhesion stages necessary for leukocyte extravasation. This function is important in immune surveillance and response to infection allowing immune cells to quickly migrate to sites of inflammation.
Pathways	ICAM2 operates in the leukocyte adhesion and transendothelial migration pathways. It interacts closely with integrins especially LFA-1 present on leukocytes and this interaction supports cell movement during immune responses. It also participates in signaling pathways that activate immune cells further aiding in the regulation of immune cell activity. These interactions make ICAM2 a critical component in immunological communication and signal transduction pathways.
Associated diseases and disorders	ICAM2 is associated with conditions involving immune dysfunction and inflammation. For instance abnormal expression of ICAM2 has been linked to inflammatory diseases such as atherosclerosis. Additionally it plays a role in the pathology of multiple sclerosis where it might influence the migration of immune cells across the blood-brain barrier. Its relationship with integrins highlights its potential relevance in therapeutic strategies to modulate immune responses in these diseases.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

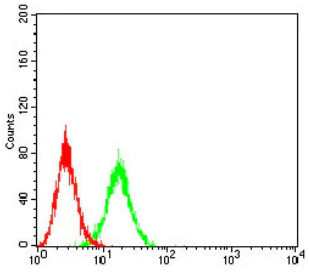
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

1 product image



Flow Cytometry - Anti-ICAM2 antibody [6B9G10] (ab233828)

ICAM2 Flow Cytometry staining using mouse Anti-ICAM2 antibody

Flow cytometric analysis of Ramos (human Burkitt's lymphoma cell line) cell line labeling ICAM2 with ab233828 at 1/200 dilution (green) compared with a negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.