

Anti-ICAM-2/CD102 Antibody (9W742)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9W742
Purification:	Protein A

Applications

Verified Activity:	1. Immunochemical staining of human ICAM2 in human spleen with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). Positive staining was localized to vascular endothelial cells.
	2. Immunochemical staining of human ICAM2 in human kidney with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). Positive staining was localized to vascular endothelial cells.
Application:	IHC-P
Recommended	IHC-P: 1:50-1:200

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human ICAM-2 / CD102 protein (TMPY-01418)
Antigen Species:	Human
Synonyms:	Ly-60;CD102;intercellular adhesion molecule 2;Icam-2

Research Background

Intercellular adhesion molecule 2 (ICAM-2, CD102), belongs to the ICAM family consisting of three members identified as ligands for integrin receptors. It is a type I transmembrane glycoprotein with two Ig-like C2-type domains and binds to the leukocyte integrins LFA-1 (CD11a/CD18) and Mac-1 (CD11b/CD18). As the second ligand of leukocyte function-associated antigen-1, ICAM-2 functions as a costimulatory molecule for effector cells. ICAM-2 is mainly expressed on vascular endothelial and hematopoietic cells. Interactions of ICAM-2 and the integrin receptors mediate cell adhesion in a wide range of lymphocyte, monocyte, natural killer cell, and granulocyte with other cells, and play important roles in many adhesion-dependent immune and inflammation responses, such as T cell aggregation, NK-cell cytotoxicity, and migration, lymphocyte recirculation, etc. Serum levels of ICAM-2 correlated significantly with the inflammatory and course sequences of trichinosis in mice and had a similar relationship with blood eosinophilia. So, estimation of ICAM-2 serum levels may prove useful in the diagnosis of trichinosis recent infections, and in monitoring the prognosis and response to treatment.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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