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Mouse anti ICAM-3

Catalogue number: **MUB2038P**

Clone	BH10
Isotype	IgG1/k
Product Type	Primary Antibodies
Units	0.1mg
Host	Mouse
Species reactivity	Human
Application	ELISA Flow cytometry Immunoblotting Immunocytochemistry Immunohistochemistry (frozen) Immunoprecipitation

Distributors

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Background

Intercellular adhesion molecule 3 (ICAM3) also known as CD50 (Cluster of Differentiation 50), is a type I transmembrane glycoprotein, which normally contain 2-9 immunoglobulin-like C2-type domains, and binds to the leukocyte adhesion LFA-1 protein. This protein is constitutively and abundantly expressed by all leucocytes and may be the most important ligand for LFA-1 in the initiation of the immune response. It functions not only as an adhesion molecule, but also as a potent signalling molecule. ICAM-3 has previously been implicated in apoptotic cell clearance, although its precise role in the clearance process is ill defined.

Source

BH10 is a mouse monoclonal IgG1/k antibody derived by fusion of mouse Ag8.653 cells with spleen cells from a BALB/c mouse immunized with an ICAM-3/HEK transfectant.

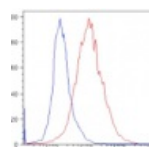
Product

Each vial contains 100 µl 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.

Applications

BH10 is suitable for immunoblotting,

NH10 urkat T cells that expressed high (ICAM-3 high= red) or low (ICAM-3 low= blue) levels of ICAM-3 were stained with mAb BH10. 5 x 10⁵ cells were stained with 100µl of mAb. Following 30 min incubation at 4°C, unb



immunocytochemistry, immunohistochemistry on frozen tissues and flow cytometry. Optimal antibody dilution should be determined by titration; recommended range is 1:100 – 1:200 for flow cytometry, and for immunohistochemistry with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent, and 1:100 – 1:1000 for immunoblotting applications.

Specificity

BH10 recognizes a linear epitope in domains 1 and 2 of ICAM-3.

Storage

Store at 4°C, or in small aliquots at -20°C.

References

1. Torr EE, Gardner DH, Thomas L, Goodall DM, Bielemeier A, Willetts R, Griffiths HR, Marshall LJ, Devitt A. Apoptotic cell-derived ICAM-3 promotes both macrophage chemoattraction to and tethering of apoptotic cells. *Cell Death Differ.* 2012;19: 671–679.