

Acris Antibodies, Inc.

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	Monoclonal Antibody to VTCN1 / B7H4 - PE
Alternate names:	B7-H4, B7S1, B7h.5, B7x, UNQ659/PRO1291, V-set domain-containing T-cell activation inhibitor 1
Catalog No.:	AM05618RP-N
Quantity:	100 Tests
Background:	 B7-H4 is a costimulatory protein which is reported to function as a negative regulator of T-cell mediated immunity. Although B7-H4 binds an unknown receptor, it is thought to deliver an inhibitory signal to T-cells preventing their proliferation, cell cycle progression and interleukin-2 production. B7-H4 deficient mice are only minimally affected; suggesting B7-H4 is important in the fine tuning of the T-cell mediated immune response. B7-H4 is expressed on activated T-cells, B-cells, monocytes and dendritic cells. Aberrant expression has been associated with cancers of the lung, breast and ovary in humans. B7-H4 could be a useful prognostic marker in Renal Cell Carcinoma (RCC).
Uniprot ID:	<u>07Z7D3</u>
NCBI:	<u>NP_078902.2</u>
GenelD:	<u>79679</u>
Host / Isotype:	Mouse / IgG1
Clone:	MIH43
Immunogen:	Human B7-H4
Format:	 State: Lyophilised purified IgG fraction. Purification: Affinity Chromatography on Protein G Buffer System: PBS, pH 7 .4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE – R. Phycoerythrin (RPE) Reconstitution: Restore with 1.0 ml distilled water
Applications:	Flow Cytometry: Use 10 μ l of neat antibody to label 1x10e6 cells in 100 μ l. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises B7-H4, also known as B7x. Species: Human. Other species not tested.
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.



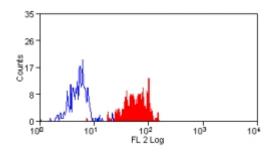
Antibody Hotline - Technical Questions - Antibody Location Service Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com



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General Readings: 1. Krambeck AE, Thompson RH, Dong H, Lohse CM, Park ES, Kuntz SM, et al. B7-H4 expression in renal cell carcinoma and tumor vasculature: associations with cancer progression and survival. Proc Natl Acad Sci U S A. 2006 Jul 5;103(27):10391-6. Epub 2006 Jun 23. PubMed PMID: 16798883.

Pictures: Flow Cytometry: AM05618RP-N B7-H4 antibody staining of Human peripheral blood monocytes.



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