

## Product datasheet for **TA320513**

### **B7H4 (VTCN1) Mouse Monoclonal Antibody [Clone ID: H74]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	H74
Applications:	FC
Recommended Dilution:	Flow
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	V-set domain containing T cell activation inhibitor 1
Database Link:	<a href="#">NP_078902</a> <a href="#">Entrez Gene 79679 Human</a> <a href="#">Q7Z7D3</a>

**Background:** The H74 monoclonal antibody was generated and reacts with human B7-S1, also known as B7-H4 and B7x. Cross reactivity of this antibody to other proteins has not been determined. B7S1 is a newly discovered member of the B7 family. It is speculated that the costimulatory regulation of T cells by B7S1 is influenced by the activation status of B cells. While it is reported that BTLA is a counter receptor for B7S1, further studies are needed to definitely determine the B7-H4 ligand. H74 stains human B7-H4 transfected cells and not peripheral blood cells. Exact expression pattern of B7-H4 has not been fully characterized.

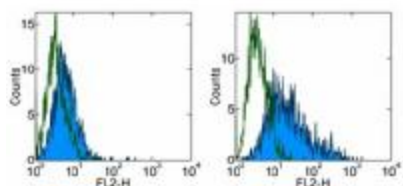
**Synonyms:** B7-H4; B7h.5; B7H4; B7S1; B7X; PRO1291; VCTN1

**Protein Families:** Transmembrane



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## Product images:



Staining of non-transfected (left) and human B7-H4-transfected (right) HEK 293T cells with 0.125 ug of Mouse IgG1 kappa Isotype Control Purified (open histogram) or 0.125 ug of Anti-Human B7-H4 Purified (filled histogram) followed by Anti-Mouse IgG Biotin and Streptavidin PE. Total cells were used for analysis.