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30-2810: Anti-Hu CD294 Purified

Clonality :	Monoclonal
Clone Name :	BM16
Application :	FACS
Reactivity :	Human
Gene :	PTGDR2
Gene ID :	11251
Uniprot ID :	Q9Y5Y4
Format :	Purified
Alternative Name :	prostaglandin D2 receptor 2 DP2, PTGDR2, DL1R, CRTH2, GPR44
Immunogen Information :	Human CD294 transfected rat cell line TART/B19-12.10

Description

CD294 (prostaglandin D2 receptor 2) is a G-protein-coupled receptor that is preferentially expressed in CD4+ effector T helper 2 (Th2) cells, but also on eosinophils and basophils. It mediates the pro-inflammatory chemotaxis of eosinophils, basophils, and Th2 lymphocytes generated during allergic inflammation. Single nucleotide polymorphisms in the 3' UTR of CD294 gene have been associated with asthma susceptibility. Outside the immune system CD294 is expressed e.g. in gut, heart, and brain. The intracellular C terminal tail contains sites for phosphorylation by protein kinase C.
Specificity :The rat monoclonal antibody BM16 recognizes an extracellular epitope of CD294 / CRTH2 (prostaglandin D2 receptor 2), a G-protein-coupled seven-transmembrane protein expressed on Th2 cells, peripheral blood basophils and eosinophils.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-G affinity chromatography.
Content :	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-4 Ã□Âµg/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.