antibodies

Datasheet for ABIN7506100 anti-Prostaglandin D2 Receptor 2 (PTGDR2) antibody



Overview

Quantity:	0.1 mg
Target:	Prostaglandin D2 Receptor 2 (PTGDR2)
Reactivity:	Human
Host:	Rat
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	Flow Cytometry (FACS)
Product Details	
Purpose:	Anti-Hu CD294 Purified
Immunogen:	Human CD294 transfected rat cell line TART/B19-12.10
Clone:	BM16
Isotype:	lgG2a
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.
Purification:	Purified by protein-G affinity chromatography.
Target Details	
Target:	Prostaglandin D2 Receptor 2 (PTGDR2)

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Target Details	
Alternative Name:	CD294 (PTGDR2 Products)
Background:	Prostaglandin D2 receptor 2,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.,DP2, PTGDR2, DL1R, CRTH2, GPR44
Gene ID:	11251
UniProt:	Q9Y5Y4
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling
Application Details	
Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL.
Restrictions:	For Research Use only
Handling	
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.