

Anti-Human/Mouse CD294 Polyclonal Antibody**Polyclonal Antibody****Cat.NO.: PA02449**

3th Edition

Description: This gene encodes a G-protein-coupled receptor that is preferentially expressed in CD4+ effector T helper 2 (Th2) cells. This protein is a prostaglandin D2 receptor that mediates the pro-inflammatory chemotaxis of eosinophils, basophils, and Th2 lymphocytes generated during allergic inflammation. Single nucleotide polymorphisms in the 3' UTR of this gene have been associated with asthma susceptibility. PTGDR2 (Prostaglandin D2 Receptor 2) is a Protein Coding gene. Diseases associated with PTGDR2 include Folliculitis and Eosinophilic Pustular Folliculitis. Among its related pathways are Peptide ligand-binding receptors and Ibuprofen Pathway, Pharmacodynamics. GO annotations related to this gene include G-protein coupled receptor activity and prostaglandin F receptor activity. An important paralog of this gene is FPR3.

Antigen: Synthesized peptide derived from the Internal region of human CD294.

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Widespread expression. High expression in stomach, small intestine, heart and thymus. Intermediate expression in colon, spinal cord and peripheral blood and low expression in brain, skeletal muscle and spleen. Expressed also on Th2- and Tc2- type cells, eosinophils and basophils.