



PTGDR2 blocking peptide (CDBP5968)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen 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.[provided by RefSeq, Mar 2011] |
| Conjugate | Unconjugated |
| Applications | Used as a blocking peptide in immunoblotting applications. |
| Format | Liquid |
| Concentration | 200 µg/mL |
| Size | 0.05 mg |
| Preservative | None |
| Storage | -20°C |

GENE INFORMATION

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| Gene Name | PTGDR2 prostaglandin D2 receptor 2 [Homo sapiens (human)] |
| Official Symbol | PTGDR2 |
| Synonyms | PTGDR2; prostaglandin D2 receptor 2; DP2; DL1R; CD294; CRTH2; GPR44; G protein-coupled receptor 44; G-protein coupled receptor 44; putative G-protein coupled receptor 44; chemoattractant receptor-homologous molecule expressed on TH2 cells; chemoattractant receptor homologous molecule expressed on T helper type 2 cells |

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| Entrez Gene ID | 11251 |
| mRNA Refseq | NM_004778 |
| Protein Refseq | NP_004769 |
| UniProt ID | Q9Y5Y4 |
| Pathway | Class A/1 (Rhodopsin-like receptors); Eicosanoid ligand-binding receptors; G alpha (i) signalling events; GPCR downstream signaling; GPCR ligand binding; GPCRs; Prostanoid ligand receptors; Signal Transduction |
| Function | G-protein coupled receptor activity; prostaglandin D receptor activity; prostaglandin F receptor activity; prostaglandin J receptor activity |