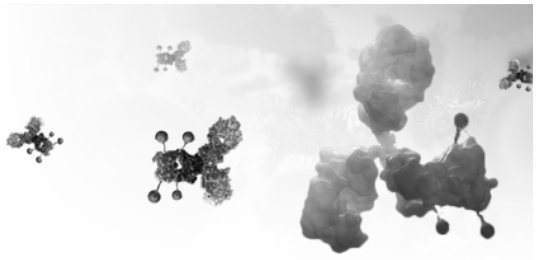

Human PTGER4 blocking peptide (DAG-P1051)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a member of the G-protein coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). This receptor can activate T-cell factor signaling. It has been shown to mediate PGE2 induced expression of early growth response 1 (EGR1), regulate the level and stability of cyclooxygenase-2 mRNA, and lead to the phosphorylation of glycogen synthase kinase-3. Knockout studies in mice suggest that this receptor may be involved in the neonatal adaptation of circulatory system, osteoporosis, as well as initiation of skin immune responses. [provided by RefSeq, Jul 2008]
Specificity	High in intestine and in peripheral blood mononuclear cells; low in lung, kidney, thymus, uterus, vasculature and brain. Not found in liver, heart, retina oe skeletal muscle.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	PTGER4 prostaglandin E receptor 4 (subtype EP4) [Homo sapiens (human)]
Official Symbol	PTGER4
Synonyms	PTGER4; prostaglandin E receptor 4 (subtype EP4); EP4; EP4R; prostaglandin E2 receptor

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	EP4 subtype; prostanoid EP4 receptor; PGE receptor EP4 subtype; PGE receptor, EP4 subtype; PGE2 receptor EP4 subtype;
Entrez Gene ID	5734
mRNA Refseq	NM_000958.2
Protein Refseq	NP_000949.1
UniProt ID	A0PJF5
Chromosome Location	5p13.1
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Eicosanoid ligand-binding receptors, organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Inflammatory mediator regulation of TRP channels, organism-specific biosystem; Inflammatory mediator regulation of TRP channels, conserved bi
Function	prostaglandin E receptor activity; protein binding;

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