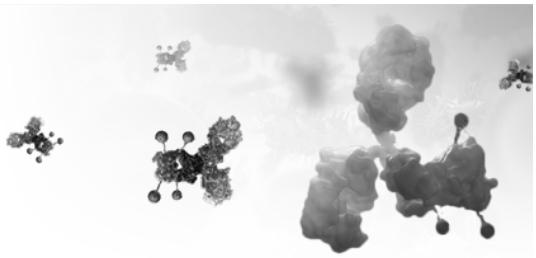

Human PTGER4 blocking peptide (CDBP1133)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-EP4 prostaglandin receptor antibody
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]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

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

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	EP4; prostanoid EP4 receptor; PGE receptor EP4 subtype; PGE receptor, EP4 subtype; PGE2 receptor EP4 subtype; EP4R; MGC126583;
Entrez Gene ID	5734
mRNA Refseq	NM_000958
Protein Refseq	NP_000949
UniProt ID	P35408
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; Neuroactive ligand-receptor interaction, organism-specific biosystem;
Function	G-protein coupled receptor activity; prostaglandin E receptor activity; protein binding; receptor activity; signal transducer activity;

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