

PTGEs Antibody FITC Conjugated

Catalog No: #C03775F

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Description

Product Name	PTGEs Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 125-150 152 derived from human PTGEs
Conjugates	FITC
Target Name	PTGEs
Other Names	PGES; MPGES; PIG12; PP102; PP1294; MGST-IV; MGST1L1; TP53I12; mPGES-1; MGST1-L1; Prostaglandin E synthase; Microsomal glutathione S-transferase 1-like 1; Microsomal prostaglandin E synthase 1; p53-induced gene 12 protein; PTGES; MPGES1
Accession No.	Swiss-Prot#O14684NCBI Gene ID9536
Uniprot	O14684
GeneID	9536;
Excitation Emission	494nm 518nm
Cell Localization	Helical
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF=1:50-200

Background

Prostaglandin E synthase catalyses conversion of COX derived PGH₂ to PGE₂. It is a member of the MAPEG family. It may contribute to the pathogenesis of collagen induced arthritis and mediate acute pain during inflammatory responses. The protein encoded by this gene is a glutathione-dependent prostaglandin E synthase. The expression of this gene has been shown to be induced by proinflammatory cytokine interleukin 1 beta (IL1B). Its expression can also be induced by tumor suppressor protein TP53, and may be involved in TP53 induced apoptosis. Knockout studies in mice suggest that this gene may contribute to the pathogenesis of collagen-induced arthritis and mediate acute pain during inflammatory responses.

Note: This product is for in vitro research use only