

Mouse PGE2 Monoclonal Antibody | anti-Prostaglandin E2 antibody

Prostaglandin E2; PGE2 monoclonal antibody (BG8)

CATALOG # AAA76988	HOST Mouse	REACTIVITY Species Independent	APPLICATIONS ELISA
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PRODUCT SYNONYMS

PGE2; Monoclonal Antibody; Prostaglandin E2; PGE2 monoclonal antibody (BG8); Prostaglandin; anti-Prostaglandin E2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Species Independent
Clonality	Monoclonal
Clone Number	BG8
Purity/Purification	Ascites.
Form/Format	Liquid. Neat ascites with 0.09% sodium azide.
Applicable Applications for anti-Prostaglandin E2 antibody	ELISA
Immunogen	PGE2.
Source	Purified from mouse ascites
Preparation and Storage	Ships on blue ice Long term storage: -20 degree C Avoid freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-Prostaglandin E2 antibody	Prostaglandin E2 (PGE2) is an extensively studied prostaglandin owing to its predominance in inflammation, cancer, atherosclerosis, autoimmune disease, and sepsis. Oxidation of arachidonic acid by prostaglandin synthases (COX-1 and COX-2) produces prostaglandin H2 (PGH2), which is further metabolized by PGE synthases into its major product, PGE2. PGE2 mediates autocrine and paracrine signaling by binding to G-protein coupled receptors (EP1, EP2, EP3, EP4) on the cell surface, functioning to modulate phospholipase C and adenylate cyclase activity. PGE2 has been of great interest as a therapeutic target, either by modulation of its synthesis by COX inhibitors (NSAIDS) or by modulation of its receptors by downregulation or binding antagonists. PGE2 production in a variety of tissues has been shown to modulate numerous physiological processes including natriuresis in the kidney, smooth muscle elasticity in the vasculature, and the inflammatory response to damaged tissues by monocytes and macrophages.
Product Categories/Family for anti-Prostaglandin E2 antibody	Cell Signaling

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.