Anti-PGE2 [mAbPGE] Standard Size Ab00484-10.7

This antibody is in our proprietary AbFab2™ recombinant F(ab2) format - based on Human IgG1 sequence with a short dimerization domain to improve stability and a his tag.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human F(ab)2, AbFab2™ His-Tagged, Kappa
Clone Number: mAbPGE
Alternative Name(s) of Target: Prostaglandin E2
UniProt Accession Number of Target Protein:
Published Application(s): RIA, ELISA
Published Species Reactivity: Species independent
Immunogen: Human PGE2.
Specificity:
Application Notes: The antibody binds specifically to PGE2, a lipid compound synthesised from the oxidation of arachidonic acid by cyclooxygenases (COX-1 and COX-2), and from the action of prostaglandin E synthase on prostaglandin H2. PGE2 is an important inflammatory mediator and homeostatic factor that acts on the receptors EP1, EP2 and EP3, which are all members of the family of G-protein coupled receptors (GPCRs). The neutralisation of PGE2 by the use of monoclonal antibodies provides an alternative to the use of NSAIDs in the treatment of acute and chronic inflammatory diseases such as rheumatoid arthritis.
Antibody First Published in: Shono F, Yokota K, Horie K, Yamamoto S, Yamashita K, Watanabe K, Miyazaki H. A heterologous enzyme immunoassay of prostaglandin E2 using a stable enzyme-labeled hapten mimic. Anal Biochem. 1988 Feb 1;168(2):284-91. PMID:3129960
Note on publication: Describes the development of an enzyme immunoassay for PGE2 utilising an anti-PGE2 antibody, in order to measure the amount of PGE2 present in human urine samples.

Product Form

Size: 200 µg Purified antibody.
Purification: Purified by Immobilized Metal Affinity Chromatography
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -

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20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.

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