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Produktinformation

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- Expressversand

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PRODUCT INFORMATION

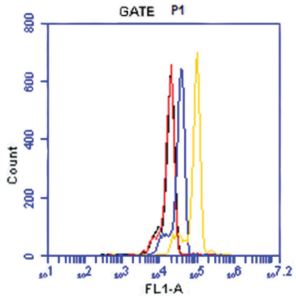
TP Receptor (human) Polyclonal FITC Antibody

Item No. 10012559

Overview and Properties

Contents: This vial contains 100 µl of fluorescein-labeled, peptide affinity-purified polyclonal antibody.
Synonyms: Thromboxane A_2 Receptor, TXA_2 Receptor
Immunogen: Synthetic peptide from the C-terminal region of human TP receptor
Species Reactivity: (+) Human, African green monkey, mouse, and rat; other species not tested
Uniprot No.: P21731
Form: Liquid
Storage: -20°C (as supplied)
Stability: ≥1 year
Storage Buffer: PBS, pH 7.2, with 50% glycerol and 0.02% sodium azide
Host: Rabbit
Application: Flow cytometry (FC); the recommended starting dilution is 1:200 (5 µl per test). Other applications were not tested, therefore optimal working concentration/dilution should be determined empirically.

Image



Black: Blank
Red: Normal Rabbit IgG-FITC (0.01 µg/ml) in HepG2 cells
Blue: TP Receptor (human) Polyclonal FITC Antibody (1 µg/ml) in HepG2 cells
Yellow: TP Receptor (human) Polyclonal FITC Antibody (5 µg/ml) in HepG2 cells

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PRODUCT INFORMATION

Description

Thromboxane A_2 (TXA_2) is a potent vasoconstrictor and activator of platelet aggregation. The short half-life of TXA_2 ensures local action whether generated by vascular endothelial cells or by platelets and confers physiologically beneficial or deleterious effects under inflammatory situations.[1,2] TXA_2 elicits its effects *via* a 7-transmembrane domain G protein-coupled receptor, the TP receptor.[3] This receptor can also bind prostaglandin H_2 and isoprostanes and was first cloned from human placenta and the platelet-like MEG-01 cell line.[4,5] The TP receptor is highly expressed in platelets and is relatively less abundant in tissues such as lung, kidney, brain, spleen, thymus, monocytes, uterus, and placenta.[6-11]

References

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