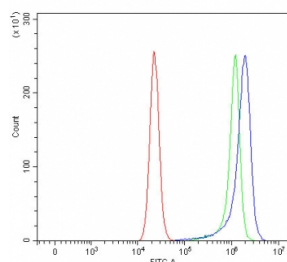


## Prostaglandin reductase 1 Antibody / PTGR1 (RQ8381)

Catalog No.	Formulation	Size
RQ8381	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q14914
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This Prostaglandin reductase 1 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human RT4 cells with Prostaglandin reductase 1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Prostaglandin reductase 1 antibody.



Western blot testing of human 1) HeLa, 2) HepG2, 3) A549, 4) RT4, 5) SiHa, 6) HaCaT, 7) Caco-2 and 8) PC-3 cell lysate with Prostaglandin reductase 1 antibody. Predicted molecular weight: ~33 kDa and ~36 kDa (two isoforms).

## Description

This gene encodes an enzyme that is involved in the inactivation of the chemotactic factor, leukotriene B4. The encoded protein specifically catalyzes the NADP+ dependent conversion of leukotriene B4 to 12-oxo-leukotriene B4. A pseudogene of this gene is found on chromosome 1. Alternative splicing results in multiple transcript variants.

## Application Notes

Optimal dilution of the Prostaglandin reductase 1 antibody should be determined by the researcher.

## Immunogen

An E.coli-derived human recombinant protein (T8-A329) was used as the immunogen for the Prostaglandin reductase 1 antibody.

## Storage

After reconstitution, the Prostaglandin reductase 1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.