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PRODUCT DATA SHEET

Prostaglandin-D Synthase (Lipocalin-Type) Human, Sheep Polyclonal Antibody

Cat. No.: RD184113100
Size: 0.1 mg
Source of Antigen: E. coli
Type: Polyclonal Antibody
Host: Sheep

Other Names:
BTP, Prostaglandin-H2 D-isomerase, Lipocalin-Type Prostaglandin D Synthase, Prostaglandin-H2 D-isomerase, EC=5.3.99.2, Lipocalin-type prostaglandin-D synthase, Glutathione-independent PGD synthetase, Prostaglandin-D2 synthase, PGD2 synthase, PGDS2, PGDS, Beta-trace protein, Cerebrin-28, PTGDS, PDS

Preparation:
The antibody was raised in sheep by immunization with the recombinant Human Beta-Trace Protein.

Amino Acid Sequence of Immunogen:

The immunization antigen (20.3 kDa) is a protein containing 182 AA of recombinant Human Beta-Trace Protein. N-Terminal His-tag, 14 extra AA.

MRGSHHHHHH GMASAPEAQV SVQPNFQQDK FLGRWFSAGL ASNSSWLREK KAALSMCKSV
VAPATDGGLN LTSTFLRKNQ CETRTMLLQP AGSLGSYSYR SPHWGSTYSV SVVETDYDQY
ALLYSQGSKG PGEDFRMATL YSRTQTPRAE LKEKFTAFCK AQGFTEDTIV FLPQTDKCMT EQ

Purification Method:
Immunoaffinity chromatography on a column with immobilized recombinant Human Beta-Trace Protein.

Species Reactivity:
Human. Not yet tested in other species.

Antibody Content:
0.1 mg (determined by BCA method, BSA was used as a standard)

Formulation:
The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2.

Reconstitution:
Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

Shipping:
At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:
The lyophilized antibody remains stable and fully active until the expiry date when stored at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at -80°C. Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after one week at 4°C.

Quality Control:
Indirect ELISA – to determine titer of the antibody
SDS PAGE – to determine purity of the antibody
BCA - to determine quantity of the antibody

Applications:
ELISA, Western blotting

Note:
This product is for research use only.