Human Protein S/PROS1 Alexa Fluor® 700-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF4036N
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PROS1 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Protein S Ala42-Trp670 Accession # P07225
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Protein S is a 69 kDa, secreted glycoprotein that belongs to a general group of vitamin K-dependent proteins. It is synthesized principally by hepatocytes, circulates both free (40%) and bound to C4bBP (60%), interacts with protein C to suppress coagulation, and binds TAM family RTKs during immune regulation. Mature human Protein S is 634 amino acids (aa) in length. It contains one Gla domain (aa 42-87), four EGF-like repeats (aa 117-283) and two laminin G-like domains (aa 299-666). Over aa 42-670, human Protein S shares 83%, 80%, and 79% aa sequence identity with porcine, mouse, and canine Protein S, respectively.

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