

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Pregnancy Zone Protein/PZP in direct ELISAs.
Source	Monoclonal Mouse IgG Clone # 909813
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Human embryonic kidney cell line HEK293-derived recombinant human Pregnancy Zone Protein/PZP Thr26-Val1482 Accession # P20742
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 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.
ELISA	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

Pregnancy Zone Protein (PZP), also known as C3 and PZP-like alpha-2-macroglobulin domain-containing protein 6, is a 360 kDa secreted homodimeric glycoprotein, PZP monomer contains a region of decisive functional importance i.e. the bait region. This region serves as a substrate to a variety of proteinases, and cleavage in this domain causes a conformational change of the molecule. Human PZP is a member of the protease inhibitor I39 (alpha-2-macroglobulin) family of proteins. Highest expression of human PZP is reported in liver, medium expression in ovary, heart and stomach. Also, this protein is found in plasma. Over amino acids (aa) 26-1482, human PZP shares 56% aa sequence identity with mouse PZP.

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