

DESCRIPTION

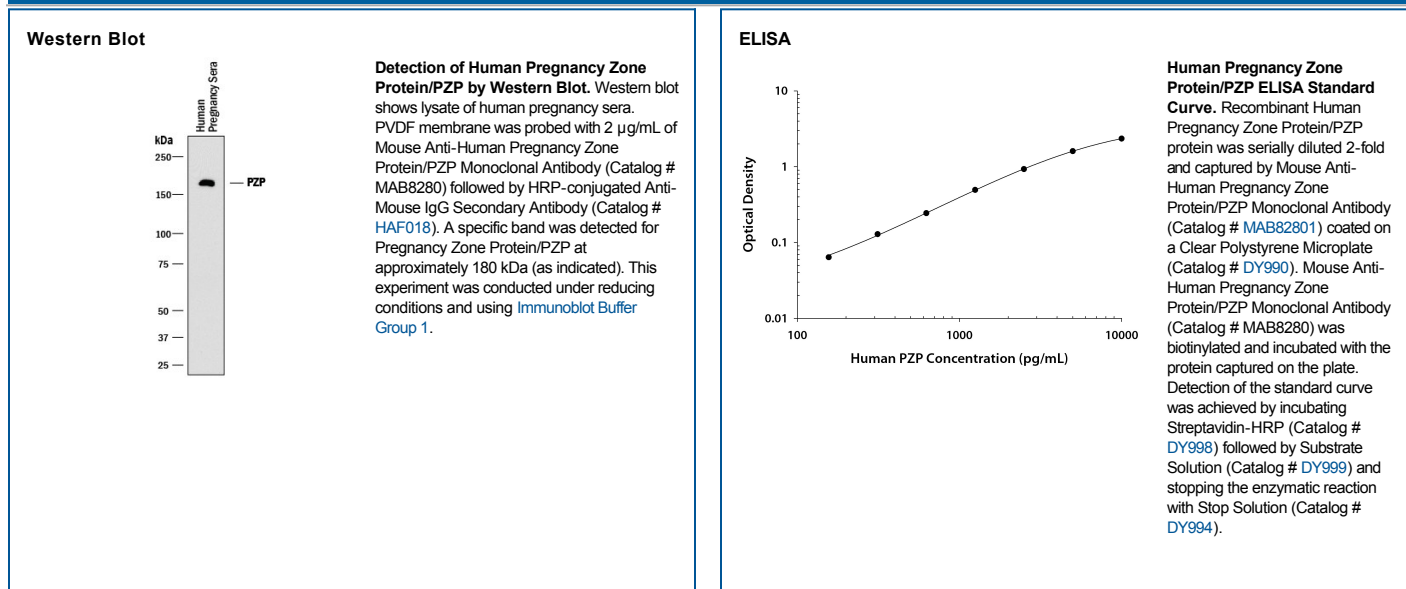
Species Reactivity	Human
Specificity	Detects human Pregnancy Zone Protein/PZP in direct ELISAs.
Source	Recombinant Monoclonal Mouse IgG Clone # 909813
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Human embryonic kidney cell line HEK293-derived recombinant human Pregnancy Zone Protein/PZP Thr26-Val1482 Accession # P20742
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	2 µg/mL	See Below
ELISA	This antibody functions as an ELISA detection antibody when paired with Mouse Anti-Human Pregnancy Zone Protein/PZP Monoclonal Antibody (Catalog # MAB82801). <i>This product is intended for assay development on various assay platforms requiring antibody pairs. We recommend the Human Pregnancy Zone Protein/PZP DuoSet ELISA Kit (Catalog # DY8280-05) for convenient development of a sandwich ELISA.</i>	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.