

DESCRIPTION

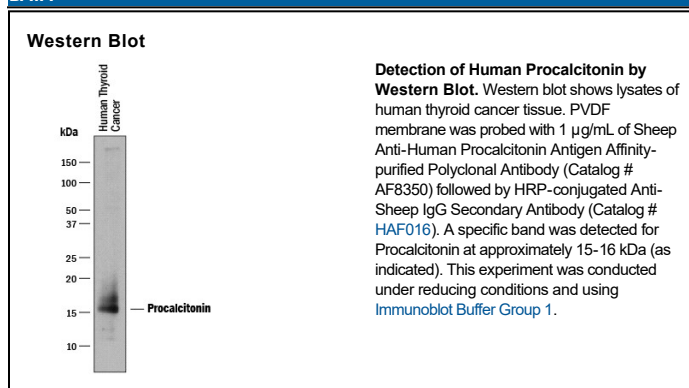
Species Reactivity	Human
Specificity	Detects human Procalcitonin in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Procalcitonin Ala26-Gly117 (Asn57Asp) Accession # P01258
Formulation	Lyophilized 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	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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

Human Procalcitonin (CALCA and Calcitonin) is 141 aa in length member of the calcitonin family. Precursor protein is cleaved into a propeptide and the following 2 chains: Calcitonin (aa 85-116) and Katalcalcin (aa 121-141). Antigen used to develop this antibody is correspondent to the propeptide and Calcitonin part of the precursor molecule. Secreted Calcitonin is known to cause a rapid but short-lived drop in the level of calcium and phosphate in blood by promoting the incorporation of those ions in the bones. Over aa 26-117, human Procalcitonin shares 80% aa identity with mouse Procalcitonin.