

DESCRIPTION

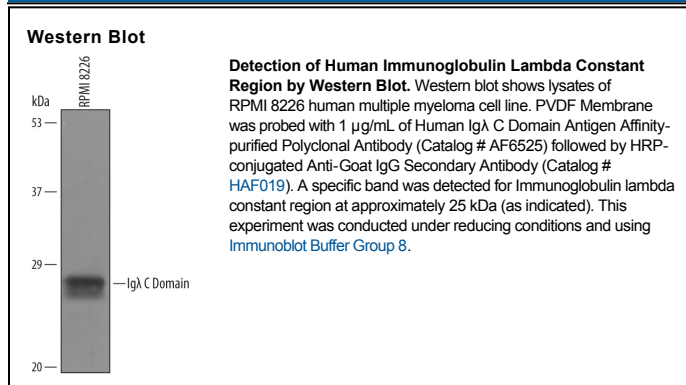
Species Reactivity	Human
Specificity	Detects recombinant human IGLC2 in direct ELISAs and Western blots. Detects endogenous Immunoglobulin lambda constant region in natural samples by Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human IGLC2 Gln2-Ser106 Accession # P0CG05
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 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	Sterile PBS to a final concentration of 0.2 mg/mL.
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

Immunoglobulin lambda constant region is a Ke-Oz- component of immunoglobulin (Ig) lambda light chains and is found C-terminal to the joining region of the light chain. IGLC2 is 105 amino acids (aa) in length. It contains one Ig-like domain (aa 7-100) and generates a disulfide bond with an IgH chain via Cys104. One potential variant shows a three aa substitution for aa 7-9. The closest mouse λ ortholog shares 61% aa identity with full-length human IGLC2. IGLC2 shares 93 - 98 % aa identity with IGLC1, IGLC3 and IGLC7.