

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Islet-1 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant human Islet-2 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Islet-1 Met4-Ala349 Accession # P61371
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

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	0.1 µg/mL	Recombinant Human Islet-1
Immunocytochemistry	5-15 µg/mL	Immersion fixed beta TC-6 mouse beta cell insulinoma cell line

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.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <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

Islet-1 is a member of a family of homeodomain containing transcription factors. It is expressed in all islet cells in the pancreas and is an early marker for motor neuron differentiation.