

DESCRIPTION

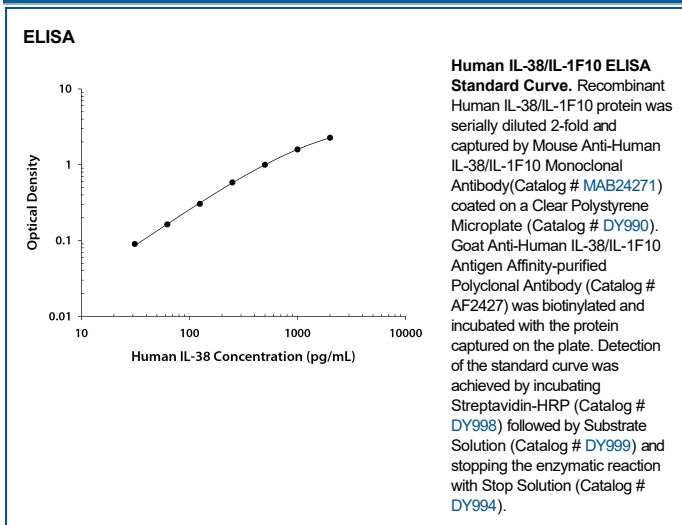
Species Reactivity	Human
Specificity	Detects human IL-38/IL-1F10 in direct ELISAs and Western blots. In direct ELISAs, approximately 5% cross-reactivity with recombinant human (rh) IL-1ra and rhIL-1F5 is observed and less than 1% cross-reactivity with rhIL-1 α , rhIL-1 β , rhIL-18, rhIL-1F6, rhIL-1F7, rhIL-1F8, and rhIL-1 F9 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human IL-38/IL-1F10 Cys2-Trp152 Accession # Q8WWZ1
Formulation	Lyophilized from a 0.2 μ m 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 μ m 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	0.1 μ g/mL	Recombinant Human IL-38/IL-1F10
ELISA	<p>This antibody functions as an ELISA detection antibody when paired with Mouse Anti-Human IL-38/IL-1F10 Monoclonal Antibody (Catalog # MAB24271).</p> <p><i>This product is intended for assay development on various assay platforms requiring antibody pairs. We recommend the Human IL-38/IL-1F10 DuoSet ELISA Kit (Catalog # DY9110-05) for convenient development of a sandwich ELISA.</i></p>	

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	<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

Human IL-38/IL-1F10 is a secreted cytokine belonging to the IL-1 family. It is synthesized as a 152 amino acid mature protein that lacks an identifiable signal sequence. It binds to soluble IL-1 R1. Human IL-1F10 shares 82% aa sequence identity with mouse IL-1F10. Human IL-1F10 also shares 39% and 27% aa sequence identity with IL-1ra and IL-1 β , respectively.