

## DESCRIPTION

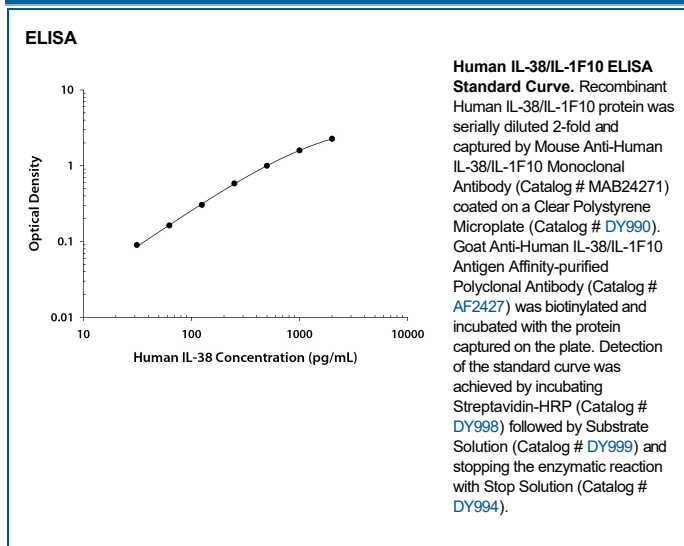
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human IL-38/IL-1F10 in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>3</sub> Clone # 892257
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived human IL-38/IL-1F10 Ser3-Trp152 Accession # Q8WWZ1
<b>Formulation</b>	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.

<b>ELISA</b>	This antibody functions as an ELISA capture antibody when paired with Goat Anti-Human IL-38/IL-1F10 Antigen Affinity-purified Polyclonal Antibody (Catalog # <a href="#">AF2427</a> ).  <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 # <a href="#">DY9110-05</a>) for convenient development of a sandwich ELISA.</i>
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## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Human IL-38, previously called IL-1F10 or IL-1HY2, 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 RI. Human IL-38/IL-1F10 shares 82% aa sequence identity with mouse IL-38/IL-1F10. Human IL-38/IL-1F10 also shares 39% and 27% aa sequence identity with IL-1ra/IL-1F3 and IL-1β/IL-1F2, respectively.