

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-1α, rhIL-1β, rhIL-18, rhIL-1
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human IL-38/IL-1F10 Cys2-Trp152 Accession # Q8WWZ1
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
ELISA	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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-1β, respectively.

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