

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IL-38/IL-1F10 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 50% cross-reactivity with recombinant mouse IL-1F10 is observed and no cross-reactivity with recombinant human (rh) IL-1α/IL-1F1 rhIL-1β/IL-1
Source	Monoclonal Rat IgG _{2B} Clone # 316709
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human IL-38/IL-1F10 Met1-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.

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, 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.

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