

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | 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             |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2B</sub> Clone # 316709                                                                                                                                                                                                                             |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human IL-38/IL-1F10<br>Met1-Trp152<br>Accession # Q8WWZ1                                                                                                                                                                                |
| <b>Conjugate</b>          | Alexa Fluor 700<br>Excitation Wavelength: 675-700 nm<br>Emission Wavelength: 723 nm                                                                                                                                                                                         |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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.

## PRODUCT SPECIFIC NOTICES

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