

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse IL-38/IL-1F10 in ELISA and Western Blot.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 798036
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse IL-38/IL-1F10 Met1-Arg152 Accession # Q8R459
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *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.

	Recommended Concentration	Sample
<b>Intracellular Staining by Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	RAW 264.7 mouse monocyte/macrophage cell line fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005)

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### BACKGROUND

IL-1F10, also known as IL-1HY2, is a secreted protein that shares sequence and structural similarity with IL-1 receptor antagonist and other IL-1 family members. It is expressed in basal epithelia of the skin and in proliferating germinal center CD20<sup>+</sup> B cells. IL-1F10 binds soluble IL-1RI in vitro and may participate in regulation of immune responses. Mouse IL-1F10 shares 82% and 93% aa identity with human and rat IL-1F10, respectively. IL-1F10 is predicted to be 17 kDa.

#### PRODUCT SPECIFIC NOTICES

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