Mouse IL-38/IL-1F10
Alexa Fluor® 488-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 798036

Catalog Number: IC7774G
100 Tests

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse IL-38/IL-1F10 in direct ELISAs.
Source	Monoclonal Rat IgG_{2A} Clone # 798036
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant mouse IL-38/IL-1F10 Met1-Arg152 Accession # Q8R459
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 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.

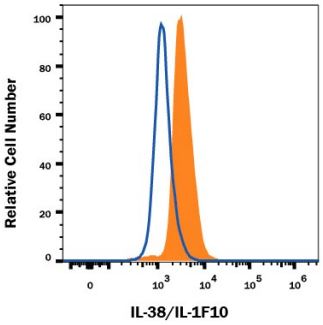
APPLICATIONS

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
Intracellular Staining by Flow Cytometry	5 µL/10^6 cells	See Below

DATA

Intracellular Staining by Flow Cytometry



Detection of IL-38/IL-1F10 in RAW 264.7 Mouse Cell Line by Flow Cytometry. RAW 264.7 mouse monocyte/macrophage cell line was stained with Rat Anti-Mouse IL-38/IL-1F10 Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # IC7774G, filled histogram) or isotype control antibody (Catalog # IC006G, open histogram). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.

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

IL-1F10, also known as IL-1HY2 and IL-38, 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 $CD20^+$ 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% amino acid identity with human and rat IL-1F10, respectively. IL-1F10 is predicted to be 17 kDa.

PRODUCT SPECIFIC NOTICES

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