

DESCRIPTION

Species Reactivity	Mouse
Specificity	This antibody stains mouse C5L2 transfectants but not irrelevant transfectants.
Source	Monoclonal Rat IgG _{2B} Clone # 468705
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line transfected with mouse C5L2 Met1-Val344 Accession # Q8BW93
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	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
Intracellular Staining by Flow Cytometry	0.25-1 µg/10 ⁶ 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

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

C5L2, also known as GPR77, is a 45 kDa 7TM receptor that binds the complement proteins C3a, C4a, and C5a as well as the acylation stimulating peptide (ASP). C5L2 is expressed on various hematopoietic cells where it promotes complement-mediated inflammation. ASP binding to C5L2 on adipocytes triggers triglyceride synthesis and glucose uptake and inhibits lipolysis. Human C5L2 shares 60% amino acid sequence identity with mouse and rat C5L2.

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