

DESCRIPTION

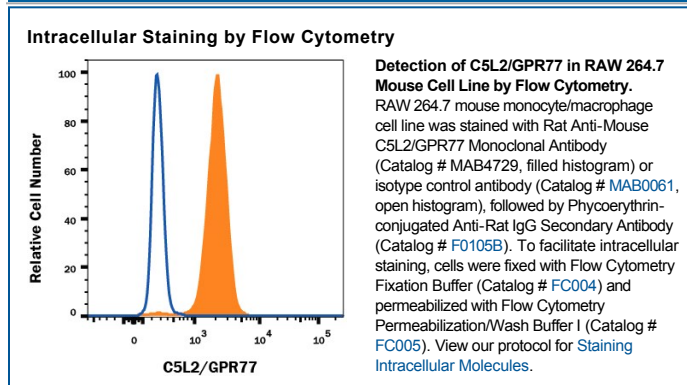
Species Reactivity	Mouse
Specificity	This antibody stains mouse C5L2 transfectants but not irrelevant transfectants.
Source	Monoclonal Rat IgG _{2B} Clone # 468705
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line transfected with mouse C5L2 Met1-Val344 Accession # Q8BW93
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.