

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CCRL2/LCCR in direct ELISAs.
Source	Monoclonal Rat IgG ₁ Clone # 498321
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	RBL-1 rat basophilic leukemia cell line transfected with mouse CCRL2/LCCR Accession # O35457
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 either lyophilized or 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
Flow Cytometry	2.5 µg/10 ⁶ cells	See Below
Immunocytochemistry	8-25 µg/mL	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

<p>Flow Cytometry</p>	<p>Detection of CCRL2/L-CCR in RAW 264.7 Mouse Cell Line by Flow Cytometry. RAW 264.7 mouse monocyte/macrophage cell line was stained with Rat Anti-Mouse CCRL2/L-CCR Monoclonal Antibody (Catalog # MAB5519, filled histogram) or isotype control antibody (Catalog # MAB005, open histogram), followed by Phycoerythrin-conjugated Anti-Rat IgG Secondary Antibody (Catalog # F0105B).</p>	<p>Immunocytochemistry</p>	<p>CCRL2/L-CCR/CRAM-A/B in RAW 264.7 Mouse Cell Line. CCRL2/L-CCR/CRAM-A/B was detected in immersion fixed RAW 264.7 mouse monocyte/macrophage cell line using Rat Anti-Mouse CCRL2/L-CCR/CRAM-A/B Monoclonal Antibody (Catalog # MAB5519) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Rat IgG Secondary Antibody (red; Catalog # NL013) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for Fluorescent ICC Staining of Non-adherent Cells.</p>
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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

Lipopolysaccharide-inducible CC chemokine receptor (LCCR), also known as CCRL2, is a 7TM chemokine receptor-like protein that is expressed on macrophages, glial cells, and mast cells at inflammatory sites. LCCR functions as a receptor for Chemerin, CCL2, 5, 7, and 8. Mouse LCCR shares 49% and 70% aa sequence identity with human and rat LCCR, respectively.