Mouse CCR8 Antibody

Recombinant Monoclonal Rabbit IgG Clone # 1055C
Catalog Number: MAB8324

DESCRIPTION

Species Reactivity	Mouse
Specificity	Stains mouse CCR8 transfectants but not irrelevant transfectants in flow cytometry.
Source	Recombinant Monoclonal Rabbit IgG Clone # 1055C
Purification	Protein A or G purified from cell culture supernatant
Immunogen	HEK293 human embryonic kidney cell line transfected with mouse CCR8 Accession # P56484
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.

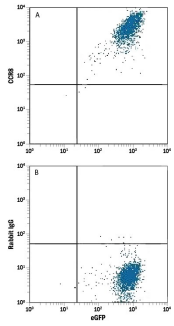
APPLICATIONS

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	0.25 µg/10^6 cells	See Below

DATA

Flow Cytometry



Detection of CCR8 in HEK293 Human Cell Line Transfected with Mouse CCR8 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with mouse CCR8 and eGFP was stained with either (A) Rabbit Anti-Mouse CCR8 Monoclonal Antibody (Catalog # MAB8324) or (B) Normal Rabbit IgG Control (Catalog # AB-105-C) followed by Allophycocyanin-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # F0111).

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.** • 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

CCR8 (C-C chemokine Receptor 8; also known as CD198) is a 41-43 kDa member of the GPCR #1 family of transmembrane proteins. Mouse CCR8 is expressed on vascular smooth muscle cells, monocytes, eosinophils, peritoneal macrophages, thymocytes, $CD8^+$ T cells, Langerhans cells and neurons. CCL1/TCA3 and vMIP-1 are known agonists for CCR8. Mouse CCR8 is a 7-transmembrane protein that is 353 amino acids (aa) in length. It contains a 33 aa N-terminal extracellular domain plus a 50 aa C-terminal cytoplasmic tail. In mouse, CCR8 is N- and possibly O-glycosylated, and known to be sulfated on Tyr14 and 15. The unusual nature of these posttranslational modifications may lead to anomalous migration in SDS-PAGE. Over aa sequences 1-33 and 92-105 collectively, mouse CCR8 shares 64% and 85% aa identity with human and rat CCR8, respectively.

bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449