

DESCRIPTION

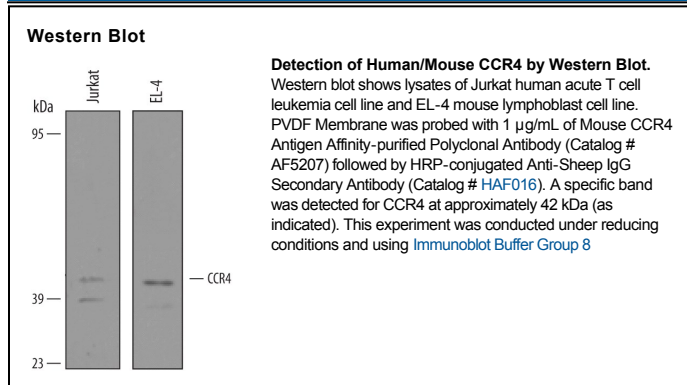
Species Reactivity	Human/Mouse
Specificity	Detects human and mouse CCR4 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse CCR4 Met1-Glu39, Ala99-Lys111, Ser176-Ile205, Val268-Tyr284 Accession # P51680
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
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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

CCR4 (C-C chemokine receptor 4) is a 42 kDa member of the GPCR #1 family of transmembrane proteins. In rodent, functional CCR4 is expressed on fully differentiated CD4⁺ Th2 cells, invariant CD4⁺ NKT cells, and neurons. It is the receptor for CCL17/TARC, CCL22/MDC and CKLF1, and responds to these ligands by initiating chemotaxis. Mouse CCR4 is a 7-transmembrane protein that is 360 amino acids (aa) in length. It contains a 39 aa N-terminal extracellular domain, and a 52 aa C-terminal cytoplasmic tail that shows a poly-Ser motif between aa 343-346. Over aa sequences 1-39, 99-111, 176-205 and 268-284 collectively, mouse CCR4 shares 85% and 93% aa identity with human and rat CCR4, respectively.