Human CCL23/Ckβ8-1 Alexa Fluor® 700-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF508N
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects CCL23/Ckβ8-1 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human CCL23/Ckβ8-1 Met46-Asn137 Accession # AAD10846
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.*

Neutralization	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.

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. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

CCL23 (SCY A23), a splice variant of CKβ8 (also known as MPIF-1), is a β chemokine isolated from the THP-1 cDNA library. CCL23 cDNA encodes a 137 amino acid (aa) residue precursor protein with a putative 21 aa residue signal peptide. Compared to CKβ8-1, CKβ8/MPIF-1 lacks a 17 aa residue stretch (Leu 47-Gly 63) present in CCL23 and has a unique arginine at residue 46. CKβ8-1/CKβ8 (MPIF-1) and leukotactin/MIP-1δ form a subgroup of β chemokines that have 6 conserved cysteine residues and an extended amino-terminus preceding the conserved cysteine pair. CCL23 shares approximately 73% nucleotide sequence identity with leukotactin (MIP-1δ), and the two genes have been localized to human chromosome 17 within 200 kb of each other. CCL23 mRNA expression has been detected in the pancreas, heart and skeletal muscle. Both CKβ8-1 and CKβ8 (MPIF-1) are potent agonists of CCR1 and have been shown to chemoattract peripheral blood lymphocytes and monocytes. The two chemokines have also been reported to chemoattract neutrophils and to inhibit colony formation by human hematopoietic progenitor cells. Similar to CKβ8 (MPIF-1), the truncated form of CKβ8-1 (aa 46-132) produced at R&D Systems has been shown to have greatly enhanced biological activity compared to the full length mature CKβ8-1 (aa 22-132).

PRODUCT SPECIFIC NOTICES

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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 Europe | Middle East | Africa TEL: +44.0.1235.529449
China | info.cn@bio-techne.com TEL: 400.821.3475