Human CCL14a/HCC-1 Alexa Fluor® 700-conjugated Antibody

Recombinant Monoclonal Rat IgG_{2A} Clone # 256409

Catalog Number: FAB3241N

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CCL14/HCCâ€'1/HCCâ€'3 in ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human CCL1, 2, 3, 5, 7, 8, 11, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, recombinant mouse CCL2, 3, 4, 6, 7, 9, 11, 12, 19, 20, 21, 22, 24, 25, or recombinant rat CCL20 is observed.
Source	Recombinant Monoclonal Rat IgG_{2A} Clone # 256409
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human CCL14/HCC-1/HCC-3 Thr20-Asn109 Accession # NP_116738
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.*

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
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

CCL14 is a chemokine that promotes chemotaxis of T cells, monocytes, and eosinophils. It occurs in two isoforms resulting from differential mRNA splicing. Following cleavage of a 19 amino acid signal peptide, mature CCL14a (aa 20-93) is a 74 amino acid peptide that is also known as HCC-1 (Hemofiltrate CC Chemokine-1). It is a weak CCR1 agonist, however, an 8 amino acid N-terminal truncation (aa 28-93) allows potent signaling through CCR1 and CCR5. CCL14b, also known as HCC-3, is a 90 amino acid peptide (aa 20-109) resulting from the insertion of 16 amino acids between residues 7 and 8 of CCL14a.

PRODUCT SPECIFIC NOTICES

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