

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CCL14/HCC-1/HCC-3 in direct ELISAs and Western blots.
<b>Source</b>	Recombinant Monoclonal Rat IgG <sub>2A</sub> Clone # 256409R
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human CCL14/HCC-1/HCC-3 Thr20-Asn109 Accession # NP_116738
<b>Conjugate</b>	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
<b>Formulation</b>	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.*

<b>ELISA Capture (Matched Antibody Pair)</b>	Optimal dilution of this antibody should be experimentally determined.
<b>ELISA Detection (Matched Antibody Pair)</b>	Optimal dilution of this antibody should be experimentally determined.
<b>Neutralization</b>	Optimal dilution of this antibody should be experimentally determined.
<b>Western Blot</b>	Optimal dilution of this antibody should be experimentally determined.

**PREPARATION AND STORAGE**

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	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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