Datasheet for ABIN6719605

anti-CCL8 antibody (AA 24-97)

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Overview

Quantity:	100 µg
Target:	CCL8
Binding Specificity:	AA 24-97
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCL8 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-CCL8 Antibody
Immunogen:	E. coli-derived mouse CCL8 recombinant protein (Position: G24-P97).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-CCL8 Antibody Picoband® (ABIN6719605). Tested in ELISA, IHC applications. This antibody reacts with Mouse, Rat.
Purification:	Immunogen affinity purified.

Target Details

Target:	CCL8

Target Details

Alternative Name:	Ccl8 (CCL8 Products)
Background:	Synonyms: C-C motif chemokine 8, Monocyte chemoattractant protein 2, Monocyte chemotactic protein 2, MCP-2, Small-inducible cytokine A8, Ccl8, Mcp2, Scya8 Background: CCL8, also known as monocyte chemoattractant protein 2 (MCP2), is a protein that in humans is encoded by the CCL8 gene. It is a small cytokine belonging to the CC chemokine family. The CCL8 protein is produced as a precursor containing 109 amino acids, which is cleaved to produce mature CCL8 containing 75 amino acids. The gene for CCL8 is encoded by 3 exons and is located within a large cluster of CC chemokines on chromosome 17q11.2 in humans. MCP-2 is chemotactic for and activates many different immune cells, including mast cells, eosinophils and basophils, (that are implicated in allergic responses), and monocytes, T cells, and NK cells that are involved in the inflammatory response. CCL8 elicits its effects by binding to several different cell surface receptors called chemokine receptors. These receptors include CCR1, CCR2B, CCR3 and CCR5.
Molecular Weight:	71 kDa
Gene ID:	20307
UniProt:	Q9Z121

Application Details

Application Notes:	Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL ELISA (Cap), 1-5 µg/mL 1. GRCh38: Ensembl release 89: ENSG00000108700 - Ensembl, May 2017. 2. Proost P, Wuyts A, Van Damme J (January 1996). "Human monocyte chemotactic proteins-2 and -3: structural and functional comparison with MCP-1". J. Leukoc. Biol. 59 (1): 67-74. PMID 8558070.
Comment:	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na_2HPO_4, 0.05 mg NaN_3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.