

Small inducible cytokine A22, Antibody

CCL22, Macrophage-derived chemokine, MDC(1-69), Stimulated T cell chemotactic protein 1, CC chemokine STCP-1



Catalog Number: 15-288-21090

SwissProt Accession #: O00626

CCL22_HUMAN

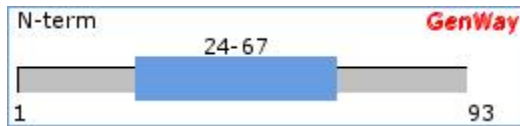
NCBI Accession #: NP_002981.1

GI #: 4506837

Immunogen Sequence Position: 24-67

Length (aa): 93

Mol. Weight (Da): 10581



Linear Protein Map with Immunogenic Epitope Marked
(sequence source from above GI#)

Source: Chicken

Purity: Immunoaffinity Purified

Clonality: Polyclonal

Crossreactivity: Human

Format: Phosphate-Buffered Saline. No preservatives added.

Storage: 4°C for short term (weeks) and -20°C for long term. Avoid frequent freeze and thaw.

Stability: 6-12 months at -20°C.

Shipping: Products may be shipped on ice pack.

Precautions: This product is for *in vitro* research use only. Not for use in diagnostic or therapeutic procedures.

Important Notes: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

APPLICATIONS:

Western Blot	Tested
ELISA, ICC, IHC	Not Tested

TESTING: (secondary reagents and protocols)

Not Available

TARGET DESCRIPTION:

FUNCTION: May play a role in the trafficking of activated/effector T lymphocytes to inflammatory sites and other aspects of activated T lymphocyte physiology. Chemotactic for monocytes, dendritic cells and natural killer cells. Mild chemoattractant for primary activated T lymphocytes and a potent chemoattractant for chronically activated T lymphocytes but has no chemoattractant activity for neutrophils, eosinophils, and resting T lymphocytes. Binds to CCR4. Processed forms MDC(3-69), MDC(5-69) and MDC(7-69) seem not be active.

OMIM: 602957; gene. [NCBI / EBI]

CATEGORIES RELATED TO TARGET PROTEIN:

TISSUES: Blood Cells, Leukocyte, Lymphocytes, T-Cell, Thymus, Monocytes, Dendritic Cell, Tumor Cells, Peripheral Blood, Serum, Peripheral Blood Lymphocytes, Peripheral Blood T-Cell, Lung Macrophage, Lymph Node, B-Cell, Cell Surface, Intracellular, Lungs, Spleen, Plasma

more... Lymphoid, Granulocyte, Eosinophil, Lymphoma, Natural Killer Cells, Lung Epithelial Cells, Thymocytes, Fibroblast, Bone Marrow, Bone Marrow Macrophage, Chromosomes, Keratinocytes, Intestine, Mucosa, Gastrointestinal Tract, Alveolar Macrophage, Platelet, Epidermis, Peritoneal Exudate, Lung Fibroblast, Intestinal Mucosa, Intestinal Epithelium, Hematopoietic, Mast Cells, Neutrophils, Blood Vessels, Cytoplasm, Cytotoxic T-Cell, Eye, Plasma Membrane, T-Cell Lymphoma, Stromal Cells, Vascular Endothelial Cells, Spinal Cord, Thymic Lymphoma, Urinary Tract, Epidermal Keratinocytes, Capillary Endothelium, Axons, Heart, Adrenal Cortex, Granuloma, Airway Epithelium, Glial Cell, Ovarian Carcinoma, Leukemic T-Cell, Neuron, Lung Cancer, Pituitary, Ovary, Microglia, Hematopoietic Stem Cells, Nuclear Chromosome

PROTEIN FUNCTIONS: Cytokines, Protein Biosynthesis, Receptors, Immunologic, Cytokine Receptors, Receptors, Cytokine, G-Protein Coupled Receptors, Receptors, G-Protein-Coupled, Antigens, Surface, Chemotaxis, Antigens, Differentiation, Interleukins, Membrane Glycoproteins, Serum Globulins, Immunoglobulins, Blood Coagulation Factors, Cell Adhesion Molecules (Cams), Tumor Necrosis Factors, Second Messenger Systems, Peptide Hydrolases, Hematopoietic Cell Growth Factors

more... Phosphotransferases, Calcium Signaling Pathway, Colony-Stimulating Factors, Esterases, Integrins, Lipopolysaccharide Biosynthesis, Fatty Acid Metabolism, Tumor Markers, Biological, Antigens, Neoplasm, Bacterial Toxins, Oncogene Proteins, Nucleotide Sugars Metabolism, Abc Transporters, Acid Anhydride Hydrolases, Glycosyltransferases, Receptors, Peptide, Retroviridae Proteins, Serpins, Gastrointestinal Hormones, Peptide Hormones, Acute-Phase Proteins, Basal Transcription Factors, Alcohol Oxidoreductases, Fatty Acid Biosynthesis, Hypothalamic Hormones, Cysteine Metabolism, Gtp-Binding Proteins, Mitogen-Activated Protein Kinases, Bacterial Chemotaxis, Lipoproteins, Ldl

DISEASES: Lung Diseases, Atopic Dermatitis, Asthma, Fungi, Benign Tumor, Neoplasm, Lymphadenopathy, Lymphoma, Human Immunodeficiency Virus, Autoimmune Disease, Viral Diseases, Pertussis, Blood Diseases, Metabolic Diseases, Adrenal Failure, Leukemia, Connective Tissue Diseases, Pneumonia, Escherichia Coli, Mycosis

more... Arthritis, Rheumatic Diseases, Joint Diseases, Immunosuppression, Skin Cancer, Septicaemia, Adenovirus, Sepsis, Cirrhosis, Eye Diseases, Arteriosclerosis, Bladder Cancer, Lung Cancer, Ovarian Cancer, Lung Tumor, Salmonella, Immune Deficiency, Lupus, Hodgkin's Lymphoma, Hodgkin's Disease, Herpesviruses, Birth Defects

BACKGROUND REFERENCES:

- [1] Annunziato, F., et al. Macrophage-derived chemokine and EBI1-li...
- [2] Struyf, S., et al. Enhanced anti-HIV-1 activity and altered...
- [3] Nomiyama, H., et al. Human chemokines fractalkine (SCYD1), MD...
- [4] Pal, R., et al. Inhibition of HIV-1 infection by the bet...

[5] Godiska,R., et al. [Human macrophage-derived chemokine \(MDC\)...](#)

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