

Product datasheet

Recombinant human MDC protein ab9848

Description

Product name	Recombinant human MDC protein	
Endotoxin level	< 0.100 Eu/μg	
Expression system	Escherichia coli	
Accession	O00626	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	GPYGANMEDSVCCRDYVRYRLPLRVVKHFYWTSDSC PRPGVLLTFRDKE ICADPRVPWVKMILNKLSQ	
Predicted molecular weight	11 kDa	
Amino acids	25 to 93	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab9848** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies SDS-PAGE
Form	Lyophilised
Additional notes	The biological activity of this product is determined by its ability to chemoattract human T-cells using a concentration range of 10.0-100.0 ng/ml.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. n/a This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute in water to a concentration of 0.1mg/ml.

General Info

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.
Tissue specificity	Highly expressed in macrophage and in monocyte-derived dendritic cells, and thymus. Also found in lymph node, appendix, activated monocytes, resting and activated macrophages. Lower expression in lung and spleen. Very weak expression in small intestine. In lymph node expressed in a mature subset of Langerhans' cells (CD1a+ and CD83+). Expressed in Langerhans' cell histiocytosis but not in dermatopathic lymphadenopathy. Expressed in atopic dermatitis, allergic contact dermatitis skin, and psoriasis, in both the epidermis and dermis.
Sequence similarities	Belongs to the intercrine beta (chemokine CC) family.
Post-translational modifications	The N-terminal processed forms MDC(3-69), MDC(5-69) and MDC(7-69) are produced by proteolytic cleavage after secretion from monocyte derived dendrocytes.
Cellular localization	Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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