

MIP-1 alpha (CCL-3) Active Protein | MIP-1alpha active protein

Mouse MIP-1 alpha (CCL-3) Recombinant

CATALOG #	HOST
AAA76392	E coli (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

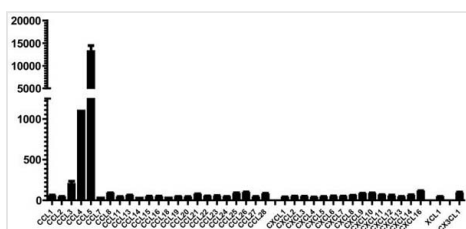
PRODUCT SYNONYMS

MIP-1 alpha (CCL-3); Mouse MIP-1 alpha (CCL-3) Recombinant; MIP-1alpha active protein

PRODUCT SPECIFICATIONS

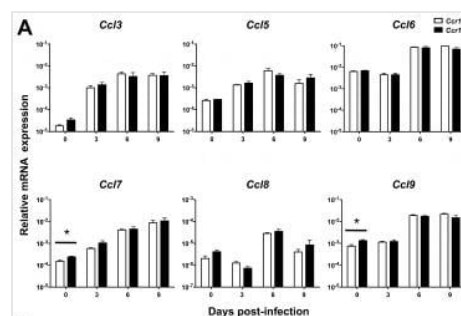
Host	E coli (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant MIP-1 alpha was lyophilized from a 0.2 um filtered solution in .5% glycine, .5% sucrose, .01% Tween80, mM Glutamic acid, pH.5.
Sequence	MKVSTTALAV LLCTMTLCNQ VFSAPYGADT PTACCFYSYR KIPRQFIVDY FETSSLCSQP GVIFLTNRNR QICADSKETW VQEYITDLEL NA
Source	Optimized DNA sequence encoding Mouse CCL3/Macrophage Inflammatory protein-1 alpha mature chain was expressed in Escherichia Coli.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Biological Activity	Determined by its ability to chemoattract murine balb/c splenocytes using a concentration range of 0.0-50.0 ng/ml.
Molecular Function	Cytokine
Biological Process	Chemotaxis
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least years from date of receipt at -20 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at -2 degree -8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data

Binding and in vitro activity of murine 18V4F hybridoma antibody. Directly coated chemokines were used here for direct comparisons, however in other experiments CCL3 showed a significantly enhanced signal when biotinylated and coated on streptavidin plates.



Application Data

Ccr1 ligands are induced after Candida infection and are chemotactic for kidney neutrophils ex vivo.

ADDITIONAL INFORMATION

Product Categories/Family for MIP-1alpha active protein	Recombinant Mouse Cytokines; CCL chemokines
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6755432
NCBI GeneID	20302
NCBI Accession #	NP_035467.1
NCBI GenBank Nucleotide #	NM_011337.2
UniProt Accession #	P10855; E9M5R0
Molecular Weight	10,345 Da
NCBI Official Full Name	C-C motif chemokine 3
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 3
NCBI Official Symbol	Ccl3
NCBI Official Synonym Symbols	Mip1a; Scya3; G0S19-1; A1323804; MIP1-(a); LD78alpha; MIP-1alpha; MIP1-alpha
NCBI Protein Information	C-C motif chemokine 3; L2G25B; MIP-1 alpha; MIP-1-alpha; MIP1 (a); SIS-alpha; TY-5; heparin-binding chemotaxis protein; macrophage inflammatory protein 1-alpha; macrophage inflammatory protein-1alpha; small inducible cytokine A3; small-inducible cytokine
UniProt Protein Name	C-C motif chemokine 3
UniProt Gene Name	Ccl3
UniProt Synonym Gene Names	Mip1a; Scya3; MIP-1-alpha
UniProt Entry Name	CCL3_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-mip-1alpha-active-protein/mip-1-alpha-ccl-3/76392>