ReliaTech GmbH

Specification/Data Sheet

Anti-Human CCL-3 (MIP1 alpha) (#7D34)

20230310DS

FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	**101-M187**
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of CCL-3 (also called MIP-1a).

Target Background

Synonyms (Target):	CCL3; MIP1A; SCYA3; G0S19-1; LD78ALPHA; MIP-1-alpha

The macrophage inflammatory proteins 1α and 1β were originally copurified from medium conditioned by an LPS-stimulated murine macrophage cell line. Human MIP1α refers to the products of several independently cloned cDNAs, including LD78, pL78, pAT464, and GOS19. These cDNAs all code for the same human protein that is a homologue of the murine MIP 1α. Mature MIP1α and MIP1β in both human and mouse share approximately 70% homology at the amino acid level. The MIP1 proteins are members of the β (CC) subfamily of chemokines. Both MIP1α and MIP1β are monocyte chemoattractants in vitro. Additionally, the MIP1 proteins have been reported to have chemoattractant and adhesive effects on lymphocytes, with MIP1α and MIP1β preferentially attracting CD8+ and CD4+ T cells, respectively. MIP1α has also been shown to attract B cells as well as eosinophils. MIP1 proteins have been reported to have multiple effects on hematopoietic precursor cells and MIP1α has been identified as a stem cell inhibitory factor that can inhibit the proliferation of hematopoietic stem cells in vitro as well as in vivo. The functional receptor for MIP1α has been identified as CCR1 and CCR5.

Database References Target

Protein RefSeq:	NP_002974
Uniprot ID:	P10147
mRNA RefSeq:	NM_002983

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#7D34)
Isotype	IgG2
Purification	Protein G chromatography
Antigen	recombinant human CCL-3
Formulation	lyophilized
Reconstitution buffer	PBS

Application/Handling

Reconstitution: Centrifuge vial prior to opening. Reconstitute the antibody with 500 µl sterile PBS and the final concentration is 200 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20°C for at least for six months without detectable loss of activity.

AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

The antibody can be used within the following applications:

Detection Ab

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!