

Monoclonal Anti-human MIP-3 α /CCL20

Product reference: DDX0420

Description

Macrophage inflammatory protein (MIP)-3 α / CCL20 is a CC-type chemokine mapped to chromosome 2 in humans. Langerhans cells (LCs) represent a unique population of DCs colonizing epithelium. MIP-3 α plays a central role in LC precursor recruitment into the epithelium during inflammation. (a) Among DC populations, MIP-3 α is the most potent chemokine inducing the selective migration of in vitro-generated CD34(+) hematopoietic progenitor cell-derived LC precursors and skin LCs in accordance with the restricted MIP-3 α receptor (CC chemokine receptor 6) expression by these cells. (b) MIP-3 α is mainly produced by epithelial cells, and the migration of LC precursors induced by the supernatant of activated skin keratinocytes is blocked with an antibody against MIP-3 α . (c) In vivo, MIP-3 α is selectively produced at sites of inflammation as illustrated in tonsils and lesional psoriatic skin where MIP-3 α upregulation appear associated with an increase in LC turnover. (d) The secretion of MIP-3 α is strongly upregulated by cells of epithelial origin after inflammatory stimuli (interleukin 1 β plus tumor necrosis factor α) or T cell signals. (*Dieu-Nosjean et al, J;Exp.med, 2000 192: 705-18;Homey B. et al, 2000,J.Immunol.164:6621-32*)

Clone: 206D9.05
Species: mouse
Specificity: human MIP-3 α
Immunogen: human recombinant MIP3 α in eukaryotic cells
Species cross- reactivity: nd
Isotype: IgG1
Purification: QMA Hyper D ion exchange chromatography
Formulation/size: **Purified:** 100 μ g in 200 μ l / 50 μ g in 100 μ l Tris-NaCl pH 8
Coupled: 100 μ g in 200 μ l / 50 μ g in 100 μ l PBS 50% glycerol

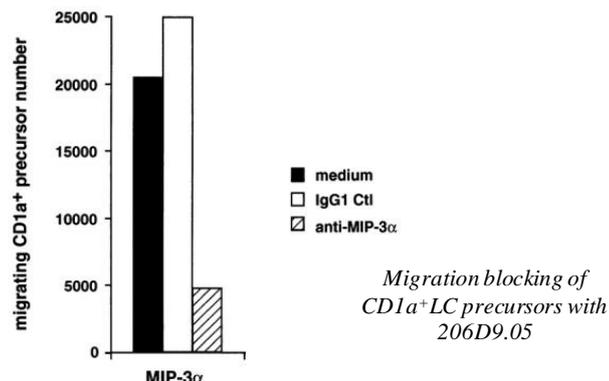
Available formats:

Reference N°		Format	Application tested
50 μ g	100 g		
DDX0420P-50	DDX0420P-100	purified	Blocking migration, WB, paraffin (Bouin), IHC frozen section
DDX0420HRPO-50	DDX0420HRPO-100	HRPO	ELISA detection (with 319F6.06 clone)

Applications tested



Human tonsil cryosection stained with 206D9



Usage recommendation: *This monoclonal antibody may be used between 5-20 μ g/ml
*Optimal dilution should be determined by each laboratory for each application
*Coupled antibody: to maintain RT before using

Aliquot storage conditions -20°C. **KEEP CONTENTS STERILE: no preservative.**
Purified antibodies: avoid repeated freeze/thaw cycles.
Coupled antibodies: glycerol protects from freezing

Not for use in Humans. For research purpose only