

Monoclonal Anti-human MIP-3 α /CCL20

Product reference: DDX0430

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 appears 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 TNF α) or T cell signals. (*Dieu-Nosjean et al, J;Exp.med, 2000 192: 705-18*)

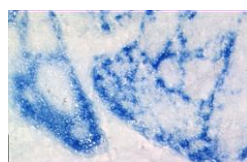
Clone:	319F6.06
Species:	mouse
Specificity:	human MIP-3 α
Immunogen:	human recombinant MIP3 α in eukaryotic cells
Species cross- reactivity:	macaque
Isotype:	IgG2b
Purification:	QMA Hyper D ion exchange chromatography
Formulation/size:	Purified: 100 μ g in 200 μ l /50 μ g in 100 μ l Tris-NaCl pH 8

Available formats:

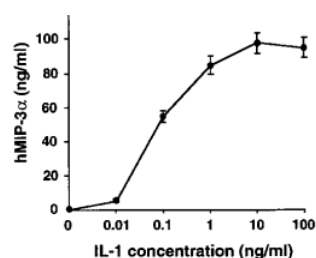
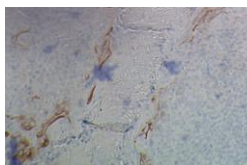
Reference N°		Format	Application tested
50 μ g	100 μ g		
DDX0430P-50	DDX0430P-100	purified	Blocking migration, ELISA capture, IHC

Applications: IHC, Elisa

IHC staining of human tonsil with 319F6



IHC staining of human frozen skin with 319F6



MIP3 α production measured by Elisa (319F6/206D9):renal carcinoma cell line (CHA) were activated by increasing doses of IL1 β .

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