

Monoclonal Anti-human MIP-3 α /CCL20

Product reference: DDX0431

Description

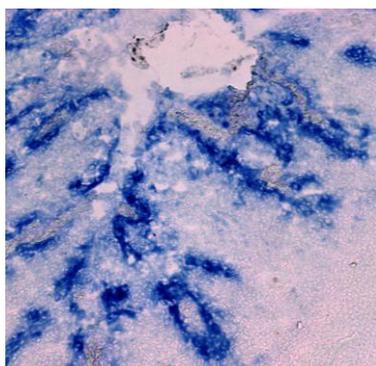
Macrophage inflammatory protein (MIP)-3 α / CCL20 is a CC-type chemokine mapped to chromosome 2 in humans. Langerhans cells (LCs) represent a unique population of DCs colonizing epithelium. MIP-3 α plays a central role in LC precursor recruitment into the epithelium during inflammation. (a) Among DC 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: | 308B7.06 |
| 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 |

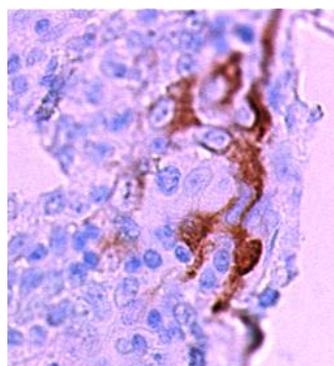
Available formats:

| Reference N° | | Format | Application tested |
|--------------|--------------|----------|----------------------|
| 50 μ g | 100 μ g | | |
| DDX0431P-50 | DDX0431P-100 | purified | IHC paraffin (Bouin) |
| DDX0431B-50 | DDX0431B-100 | biotin | IHC |

Applications: IHC



human tonsil cryosection: staining with 308B7.06



Paraffin Bouin human tonsil section: staining with 308B7.06-HRP.

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