

Purified Anti Human IL-1 alpha Monoclonal Mouse Antibody

Code: 211-44-130DX **Lot no.:**
Isotype: Mouse IgG1 **Expiration:** 1 year from date of despatch
Clone: 1277-82-29
Quantity: 100 µg (100 µl) purified antibody buffered in Tris saline, pH 8.0 containing 0.1% (w/v) NaN₃.
Source: Tissue culture supernatant.
Purification: Affinity chromatography.
Specificity: This antibody recognises both the recombinant and the natural form of human IL-1α¹.

Applications: Immunocytochemistry (ICC): This antibody was shown to be useful for the intracellular staining of cultured human peripheral blood derived and endotoxin stimulated monocytes by indirect immunofluorescence at a concentration of 1-10 µg/ml².
Immunohistochemistry (IHC): Clone 1277-82-29 was successfully employed to study the expression of IL-1α on cryopreserved sections of rectal mucosal tissue from patients with *shigellosis*³, and on frozen tonsil tissue sections from children with tonsillitis⁴.

We recommend that each laboratory determine an optimum working titre for use in its particular application.

References:

1. Rordoof-Adam, C. et al. *Drugs Exp. Clin. Res.* 15:355 (1989).
2. Andersson J, et al. "Lipopolysaccharide induces human interleukin-1 receptor antagonist and interleukin-1 production in the same cell." *Eur. J. Immunol.* 22: 2617-2623 (1992).
3. Raqib, R. et al. "Persistence of local cytokine production in shigellosis in acute and convalescent stages." *Infection and Immunity.* 63(1):289-296 (1995).
4. Andersson J. et al. "Concomitant in vivo production of 19 different cytokines in human tonsils." *Immunology.* 83: 16-24 (1994).

Storage: For use within 1 month store at +4°C, for long term storage aliquot antibody into small volumes and store at -20°C. Avoid repeated freeze thaw cycles.

For Research Use Only. Not For Diagnostic or Therapeutic Use.

Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. ImmunoKontakt will not be held responsible for patent infringement or other violations that may occur with the use of our products.

Preservatives: Sodium azide (NaN₃) was added as a preservative to prevent bacterial contamination. Since sodium azide yields highly toxic hydrazoic acid under acidic conditions it is important to dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive in plumbing.

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