Monoclonal Anti-human Interleukin-10
Product reference: DDX0320

Description:
Interleukin 10 is a 18kDa protein consisting of 178 residues that is primarily secreted by TH2 clones but also by activated CD4+ and CD8+ T cells, macrophages, natural killer cells and B cells. This anti-inflammatory cytokine both suppresses cytokine production by TH1 clones and inhibits the response of cytokine targeted cells. IL-10 regulates immune mediated inflammation by inhibiting pro-inflammatory cytokine production by macrophages, including TNF-α, IL-1, IL-12 and IFN-γ. Moreover, it can inhibit accessory functions of macrophages in T cell activation which can inhibit T cell-mediated inflammation. IL-10 has also been shown to have a proliferative effect on B cells, thymocytes and mast cells, as well as promoting B cell differentiation into antibody producing cells. 12G8 monoclonal antibody was obtained after rat immunization with human IL10-transfected Cos7 cells. (Burdin et al, 1993, 177 (2):295-304; Abrams JS et al, 1992, Immunol.Rev., 127:5 ; Gotlieb WH et al, 1992, Cytokine, 4:385-390; Yssel H et al, 1992, J.Immunol, 149:2378-2384)

Clone: 12G8
Species: rat
Specificity: Human Interleukin-10
Immunogen: Human interleukin-10-transfected Cos7 cells
Species cross-reactivity: Not tested
Isotype: IgG2a
Formulation/size: Purified: 100 µg in 200 µl / 50 µg in 100 µl Tris-NaCl pH 8
Coupled: 100 µg in 200 µl / 50 µg in 100 µl Tris PBS 50% glycerol

Available formats:

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<th>Reference N°</th>
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Usage recommendation: *This monoclonal antibody may be used between 1-10 µg/ml.
*Optimal dilution should be determined by each laboratory for each application.
*Coupled antibody: to maintain RT before use.


Not for use in Humans. For research purpose only
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