

## Product datasheet for **DDX0320P-100**

### IL10 Rat Monoclonal Antibody [Clone ID: 12G8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	12G8
Applications:	ELISA, FC, IHC, WB
Recommend Dilution:	<b>ELISA, IHC, Western-Blot, Intracellular Flow cytometry.</b>
Reactivity:	Human
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human interleukin-10-transfected Cos7 cells.
Specificity:	Human Interleukin-10.
Formulation:	<b>Purified:</b> 100 µg in 200 µl / 50 µg in 100 µl Tris-NaCl pH 8. <b>Coupled:</b> 100 µg in 200 µl / 50 µg in 100 µl Tris PBS 50% glycerol. State: Purified
Concentration:	0.5 mg/ml
Gene Name:	interleukin 10
Database Link:	<a href="#">Entrez Gene 3586 Human</a>
Background:	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. ( <i>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</i> ).
Synonyms:	IL-10, CSIF, TGIF



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