



## Anti-IL10 (aa 74-178) polyclonal antibody (DPAB-DC1707)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract. Mutations in this gene are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.[provided by RefSeq, May 2011]
<b>Immunogen</b>	IL10 (AAI04253.1, 74 a.a. ~ 178 a.a) partial recombinant protein with GST tag. The sequence is  FKGYLGCQALSEMIQFYLEEVMPQAENQDPDIKAHVNSLGENLKTLRLRRCHRFLPCE NKS KAVEQVKNAFNKLQEKG IYKAMSEFDIFINYIEAYMTMKRN
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">IL10 interleukin 10 [ Homo sapiens (human) ]</a>
Official Symbol	IL10
Synonyms	IL10; interleukin 10; CSIF; TGIF; GVHDS; IL-10; IL10A; interleukin-10; T-cell growth inhibitory factor; cytokine synthesis inhibitory factor;
Entrez Gene ID	<a href="#">3586</a>
Protein Refseq	<a href="#">NP_000563</a>
UniProt ID	<a href="#">P22301</a>
Chromosome Location	1q31-q32
Pathway	African trypanosomiasis; Allograft Rejection; Allograft rejection; Amoebiasis
Function	cytokine activity; growth factor activity; interleukin-10 receptor binding;