



Interleukin-10 (Biotinylated) (IL-10). Mouse Monoclonal Antibody 945A5A10 , Human

IL-10, Cytokine synthesis inhibitory factor, CSIF

BACKGROUND

Inhibits the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and by helper T-cells. Defects in IL10 are a cause of susceptibility to Crohn disease (CD) [MIM:266600]. CD is a form of remitting inflammatory bowel disease (IBD). CD may involve any part of the gastrointestinal tract, but most frequently the terminal ileum and colon. Bowel inflammation is transmural and discontinuous. Crohn disease is commonly classified as autoimmune disease.

ORDERING INFORMATION

CATALOG NUMBER
X1912M

SIZE
0.1 mg

FORM
Biotin

HOST/CLONE
Mouse Clone 945A5A10

FORMULATION
Provided as solution in phosphate buffered saline, pH 7.5, with 0.5% BSA and 0.05% sodium azide

CONCENTRATION
Lot specific, see vial

ISOTYPE
IgG1

APPLICATIONS
ELISA as detection antibody

IMMUNOGEN

Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with recombinant human Interleukin 10 and NSO mouse myeloma cells.

SPECIES REACTIVITY

Human

COMMENTS

Immediately prior to use as a detection antibody in ELISA, dilute this preparation to a concentration of 0.1–1.0 $\mu\text{g}/\text{mL}$ in an appropriate buffer, and pipette 100 μl into each well of a microtiter plate. For use with capture antibody (Cat. No. X2388M). Optimal concentration should be evaluated by serial dilutions.

STORAGE

Product should be stored at -20°C . Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

For research use only. Not for use in human diagnostics or therapeutics.

POSITIVE CONTROL/TISSUE EXPRESSION

Binds to epitope C of IL-10 and binds to both the human IL-10 and the Epstein Barr viral IL-10.

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

REFERENCES

DeGroot, D., A. Marchant, F. Fauchet, M. Jadoul, I. De Hart, C. Gérard, Y. Gevaert, M. Lopez, R. Gathy, J.D. Franssen, D. Radoux, and F. Franchimont (1994) Characterisation of monoclonal antibodies against human interleukin-10 and their use in an ELISA for the measurement of this cytokine. *Journal of Immunological Methods* 177:225–234 (These authors refer to this as antibody 17).

Farah, I.O., P.W. Mola, T.M. Kariuki, M. Nyindo, R.E. Blanton, and C.L King (2000) Repeated exposure induced periportal fibrosis in *Schistosoma mansoni*-infected baboons: Role of TGF-beta and IL-4. *Journal of Immunology* 164:5337–5343.

Braun, M.C., J. He, C.-Y. Wu, and B.L. Kelsall (1999) Cholera toxin suppresses interleukin (IL)-12 production and IL-12 receptor β 1 and β 2 chain expression. *Journal of Experimental Medicine* 189:541–552.

LAST MODIFIED 3/17/2008

For research use only. Not for use in human diagnostics or therapeutics.