Product Information Sheet

Polyclonal Anti- Interleukin 10, *IL-10*

Catalogue No. PA1354

Lot No. 01310121054124

Ig type rabbit IgG

Size 100µg/vial

Specificity
Human
No cross reactivity with other proteins.

Recommended application
Western blot

To reorder contact us at:
Antagene, Inc.
Toll Free: 1(866)964-2589
email: Info@antageneinc.com

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminal of human IL-10 (46-60 aa), identical to the related mouse and rat sequence.

Purity
Immunogen affinity purified.

Application

	Concen-tration	Tested Species	Concluded Species	Antigen Retrieval
WB	1ug/ml	Hu	-	-
IHC-P	-	-	-	-
IHC-F	-	-	-	-
ICC	-	-	-	-

WB: The detection limit for IL-10 is approximately 5ng/lane under non-reducing and reducing conditions.
Other applications have not been tested.
Optimal dilutions should be determined by end user.

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg Thimerosal, 0.05mg NaN_3.

Reconstitution
0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage
At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

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BACKGROUND

Interleukin-10 (IL-10 or IL10), also known as human cytokine synthesis inhibitory factor (CSIF), is an anti-inflammatory cytokine. In humans IL-10 is encoded by the *IL10* gene. It is capable of inhibiting synthesis of pro-inflammatory cytokines like IFN-γ, IL-2, IL-3, TNFα and GM-CSF made by cells such as macrophages and regulatory T-cells.IL-10 also displays potent abilities to suppress the antigen presentation capacity of antigen presenting cells. Kim et al. (1992) showed that the mouse Il 10 gene contains 5 exons and spans about 5.2 kb of genomic DNA. Eskdale et al. (1997) mapped the IL10 gene to the junction between 1q31 and 1q32.

REFERENCE

1.Eskdale J, Kube D, Tesch H, Gallagher G (1997). "Mapping of the human IL10 gene and further characterization of the 5' flanking sequence".

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