



20150130ML

Anti-Human IL-10 (#6Q24)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M471
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of IL-10.

Target Background

Synonyms (Target):	IL10; CSIF; TGIF; GVHDS; IL-10; IL10A
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Interleukin 10 (IL-10), initially designated cytokine synthesis inhibitory factor (CSIF), was originally identified as a product of mouse T helper (Th) 2 clones that inhibited cytokine production by Th1 clones. The human ortholog of mouse IL-10 was subsequently cloned by cross-hybridization. Human and mouse IL-10 are 81% identical at the nucleotide and amino acid level. IL-10 is the prototypic member of the IL-10 cytokine family, including IL-10, IL-19, IL-20, IL-22 (IL-TIF), IL-24 and IL-26. A number of viruses, including Epstein-Barr virus (EBV) and human cytomegalovirus (HCMV), also encode viral members of the IL-10 family. Human IL-10 has cross-species activity and is active on mouse cells. Mouse IL-10 is species-specific and does not act on human cells.

Database References Target

Protein RefSeq:	NP_000563.1
Uniprot ID:	P22301
mRNA RefSeq:	NM_000572

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#6Q24)
Isotype	IgG2
Purification	Protein G chromatography
Antigen	recombinant human IL-10
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human IL-10.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB, N

Recommended usage:

Western Blot: 1:500 - 1:2000

Neutralization of IL-10 bioactivity: Yes

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!