Anti-IL-10 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015709

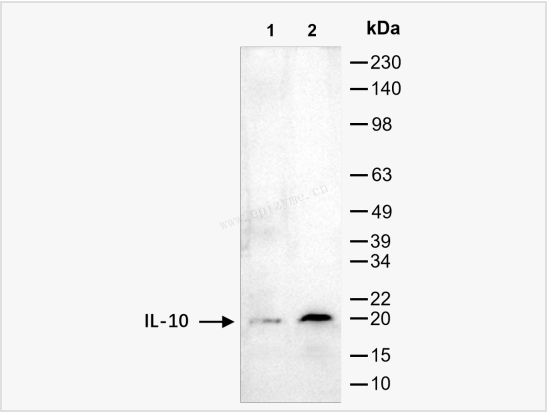
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	29H28B60
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human IL-10
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-IL-10 Rabbit mAb [29H28B60] is for research use only and not for use in diagnostic or therapeutic procedures.

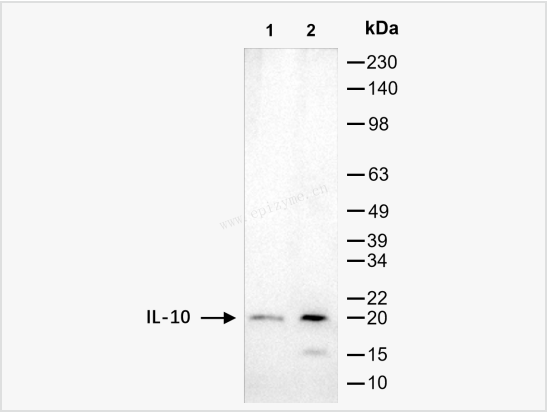
Protein Information

Synonyms	CSIF; Cytokine synthesis inhibitory factor; GVHDS; IL 10; IL-10; IL10; IL10_HUMAN; IL10A; Interleukin 10; Interleukin-10; MGC126450; MGC126451; T-cell growth inhibitory factor; TGIF.
Calculated MW	Calculated MW: 21 kDa; Observed MW: 21 kDa
Uniprot ID	P22301
Gene ID	3586
Background	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]
Cellular Location	Secreted.
Tissue Location	Produced by a variety of cell lines, including T-cells, macrophages, mast cells and other cell types.

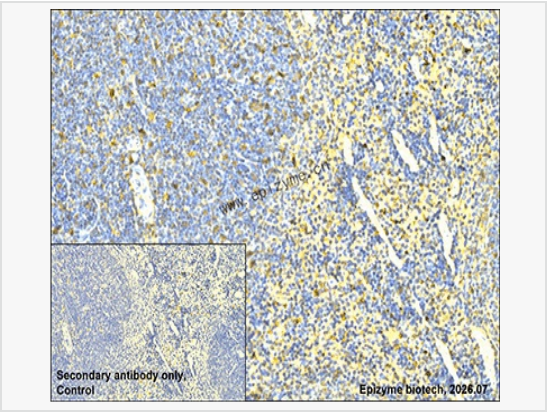
Validation Images



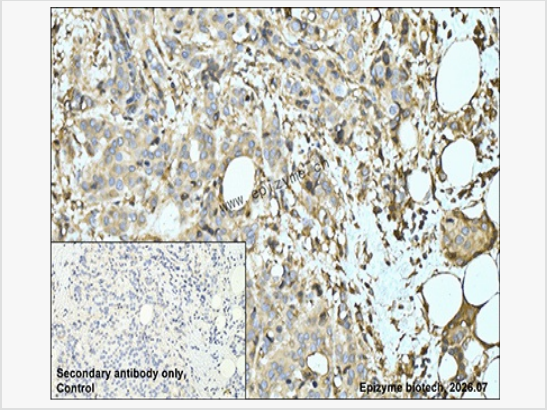
Western Blot - Anti-IL-10 Rabbit mAb [29H28B60]
All lanes: R015709 at 1:1,000 dilution
Lane 1: Untreated Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 2: Raw264.7 cells treated with 1mg/L LPS for 24 hours
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 21 kDa
Observed band size: 21 kDa
Developed using the ECL technique (Cat. No. SQ201).



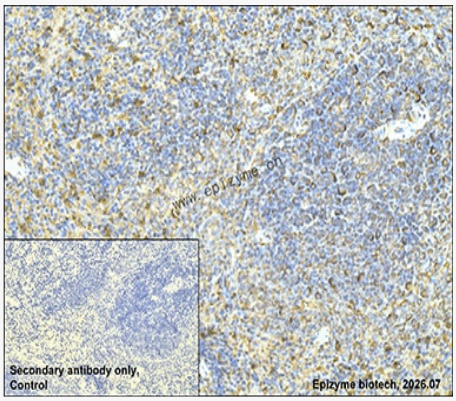
Western Blot - Anti-IL-10 Rabbit mAb [29H28B60]
All lanes: R015709 at 1:1,000 dilution
Lane 1: Untreated THP-1 (Human monocytic leukemia cell) whole cell lysates
Lane 2: THP-1 cells treated with 1mg/L LPS for 24 hours
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 21 kDa
Observed band size: 21 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-IL-10 Rabbit mAb [29H28B60]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse spleen tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015709 at 1:100 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-IL-10 Rabbit mAb [29H28B60]
Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015709 at 1:100 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-IL-10 Rabbit mAb [29H28B60]
Sample: Paraformaldehyde-fixed, paraffin embedded rat spleen tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015709 at 1:100 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.