BOSTER BIOLOGICAL TECHNOLOGY
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Anti-IL10 Antibody Picoband®

Catalog Number: A00021

About Il10

CTLA-4 (Cytotoxic T-Lymphocyte Antigen 4), also known as CD152, is a protein receptor that down regulates the immune system. It is a member of the immunoglobulin superfamily, which is expressed on the surface of Helper T cells and transmits an inhibitory signal to T cells. CTLA4 is similar to the T-cell co-stimulatory protein, CD28, and both molecules bind to CD80 and CD86, also called B7-1 and B7-2 respectively, on antigen-presenting cells. CTLA4 transmits an inhibitory signal to T cells, whereas CD28 transmits a stimulatory signal. Blockade of CTLA4 expression in vitro augmented HIV-specific CD4-positive T-cell function.

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Overview

Product Name	Anti-IL10 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-IL10 Antibody Picoband® catalog # A00021. Tested in ELISA, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB, ELISA (Cap)
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P18893

Technical Details

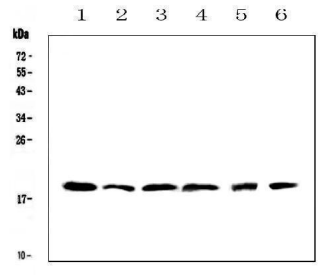
Immunogen	E. coli-derived mouse IL10 recombinant protein (Position: S19-S178).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

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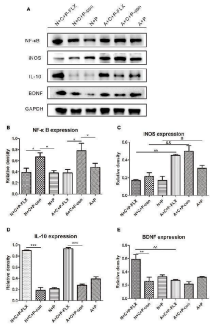
	blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot,0.1-0.5ug/ml ELISA (Cap),1-5ug/ml

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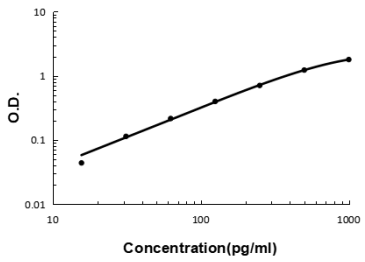
Anti-IL10 Antibody Picoband® (A00021) Images



Western blot analysis of IL10 using anti-IL10 antibody (A00021). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: mouse brain tissue lysates,Lane 2: mouse spleen tissue lysates,Lane 3: mouse heart tissue lysates,Lane 4: mouse liver tissue lysates,Lane 5: mouse kidney tissue lysates,Lane 6: mouse testis tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IL10 antigen affinity purified polyclonal antibody (Catalog # A00021) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for IL10 at approximately 19KD. The expected band size for IL10 is at 21KD.



Effect of fluoxetine treatment on BDNF and inflammation levels. (A) Western blot results of NF-kappaB, IL-10, iNOS, BDNF, and GADPH. Quantification analysis of (B) NF-kappaB, (C) iNOS, (D) IL-10, and (E) BDNF. Values are expressed as mean ± SEM (n > 5). N+C+P-FLX vs. N+C+P-con, * P < 0.05, ** P < 0.01, *** P < 0.001; N+C+P-con vs. N+P, * P < 0.05; A+C+P-FLX vs. A+C+P-con, * P < 0.05, *** P < 0.001; A+C+P-con vs. A+P, * P < 0.05; N+C+P+FLX vs. A+C+P-FLX, ∧∧ P < 0.01; N+C+P-con vs. A+C+P-con, && P < 0.01; N+P vs. A+P, # P < 0.05.Index in PubMed under a CC BY license. PMID: 30349488



Sandwich ELISA - Recombinant mouse IL10 protein standard curve. Use in combination with reagents from Mouse IL10 ELISA Kit EZ-Set (DIY Antibody Pairs) (EZ0417).

11 Publications Citing This Product

1. PubMed ID: 21246001, Zhang Y, Leng Yf, Xue X, Zhang Y, Wang T, Kang Yq. World J Gastroenterol. 2011 Jan 14;17(2):254-9. Doi: 10.3748/Wjg.V17.I2.254. Effects Of Penehyclidine Hydrochloride In Small Intestinal Damage Caused By Limb Ischemia-Reperfusion.

2. PubMed ID: 26064167, Gong T, Wang Cf, Yuan Jr, Li Y, Gu Jf, Zhao Bj, Zhang L, Jia Xb, Feng L, Liu Sl. Evid Based Complement Alternat Med.

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2015;2015:630760. Doi: 10.1155/2015/630760. Epub 2015 May 3. Inhibition Of Tumor Growth And Immunomodulatory Effects Of Flavonoids...

3. PubMed ID: 25075575, Wang T, Zhou Yt, Chen Xn, Zhu Ax. Braz J Med Biol Res. 2014 Sep;47(9):738-45. Epub 2014 Jul 25. Putative Role Of Ischemic Postconditioning In A Rat Model Of Limb Ischemia And Reperfusion: Involvement Of Hypoxia-Inducible Factor-1?? Expression.

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Anti-IL10 Antibody

For Research Use Only. Not for use in diagnostic procedures.