# antibodies

# Datasheet for ABIN672051 anti-IL-10 antibody (AA 101-178)

4 Images

10 Publications



### Overview

Quantity:	100 µL
Target:	IL-10 (IL10)
Binding Specificity:	AA 101-178
Reactivity:	Human, Mouse, Rat, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-10 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse IL-10
lsotype:	lgG
Cross-Reactivity:	Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Sheep,Pig,Chicken,Guinea Pig
Purification:	Purified by Protein A.
Target Details	
Target:	IL-10 (IL10)

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## Target Details

Alternative Name:	IL-10 (IL10 Products)
Background:	Synonyms: CSIF, II-1, Interleukin-1, Cytokine synthesis inhibitory factor, II1, iI10 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.
Molecular Weight:	18kDa
Gene ID:	16153
UniProt:	P18893
Pathways:	Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Production of Molecular Mediator of Immune Response, Maintenance of Protein Location, Cancer Immune Checkpoints

# Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only

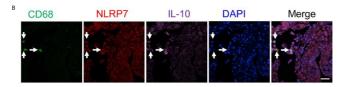
# Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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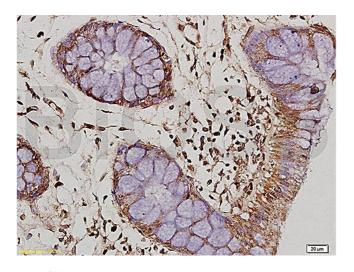
Handling	
Expiry Date:	12 months
Publications	
Product cited in:	Tsai, Chen, Li, Kuo: "NLRP7 Is Involved in the Differentiation of the Decidual Macrophages." in:
	International journal of molecular sciences, Vol. 20, Issue 23, (2020) (PubMed).
	Corradetti, Taraballi, Corbo, Cabrera, Pandolfi, Minardi, Wang, Van Eps, Bauza, Weiner, Tasciotti: "Immune tuning scaffold for the local induction of a pro-regenerative environment." in:
	Scientific reports, Vol. 7, Issue 1, pp. 17030, (2019) (PubMed).
	Han, Wang, Qin, Xia, Wu: "LPS alters the immuno-phenotype of glioma and glioma stem-like cells and induces in vivo antitumor immunity via TLR4." in: <b>Journal of experimental &amp; clinical cancer research : CR</b> , Vol. 36, Issue 1, pp. 83, (2018) (PubMed).
	Pylayeva-Gupta, Das, Handler, Hajdu, Coffre, Koralov, Bar-Sagi: "IL35-Producing B Cells Promote the Development of Pancreatic Neoplasia." in: <b>Cancer discovery</b> , Vol. 6, Issue 3, pp. 247-55, ( 2016) (PubMed).
	Arendt, Sand, Marcone, Cook: "Interleukin-10 neutralizing antibody for detection of intestinal luminal levels and as a dietary additive in Eimeria challenged broiler chicks." in: <b>Poultry science</b> , Vol. 95, Issue 2, pp. 430-8, (2016) (PubMed).
	There are more publications referencing this product on: Product page

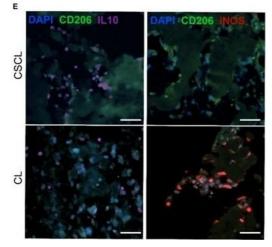
#### Images



## Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** NLRP7 is predominantly expressed in decidual M2 macrophages (CD68+/IL-10+) in the human endometrium of the pregnant uterus. (A,B) Immunofluorescent triple staining of endometrial tissue with anti-NLRP7 antibodies (red, OPAL-570), 4',6-diamidino-2-phenylindole (DAPI) (blue), antibodies against CD68 for decidual macrophages (green, OPAL-520), and antibodies against iNOS for M1 macrophages (white, OPAL-690) (A) and antibodies against





IL-10 for M2 macrophages (purple, OPAL-690) (B). The arrowheads indicate CD68+/NLRP7+/iNOS+ (decidual M1 macrophages), and the arrows indicate CD68+/NLRP7+/IL-10+ cells (decidual M2 macrophages). Magnification x200. Scale bar = 20  $\mu$ m. - figure provided by CiteAb. Source: PMID31795138

#### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded human colon tissue labeled Anti-IL-10 Polyclonal Antibody, Unconjugated (ABIN672051) at 1:200, followed by conjugation to the secondary antibody and DAB staining

#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Characterization of infiltrating cells at day 1 post implant. (A) Heatmap of differentially expressed genes (DE) between CSCL and CL in in vivo explants from inflammatory cytokines and receptors PCR array. Expression levels of DE genes are displayed as color-coded: red represents over expression while green under-expression. Gene ontology analysis on over-expressed genes in CSCL shows that among the statistically significant pathways involving our data set of proteins, we found ""regulation of macrophages chemotaxis"" (p-value: 5.9E-18). (B) Rat cytokines/chemokines profiling of proteins adsorbed onto CL and CSCL scaffolds 1d after implant. Densitometric analysis. Results are shown as mean of three replicates±SD. \*\*p≤0.001. CINC-1, CINC-3 and MIP-3α revealed different levels of abundance. (C) Percentage of macrophages (antimacrophages +/anti-CD45+cells) and other leukocytes (CD45+cells) isolated from explants and assessed by flow cytometry. Graph represents mean values±SD (n=3). (D)

Quantification of immunofluorescence staining for IL-10, iNOS and CD206 positive cells on consecutive sections Graph represents mean values±SD (n=10). (E) Representative immunofluorescence stained consecutive sections with anti-IL-10 (purple) and anti-CD206 (green) and anti-iNOS (red). The images show presence of macrophages IL-10+ (purple) within the scaffold 1-day post implant (scale bars: 50µm). - figure provided by CiteAb. Source: PMID29208986

Please check the product details page for more images. Overall 4 images are available for ABIN672051.