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Datasheet for ABIN6943796
anti-IL12 antibody (AA 141-200) (Biotin)

Overview

Quantity:	100 µL
Target:	IL12
Binding Specificity:	AA 141-200
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL12 antibody is conjugated to Biotin
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from rat IL-12
Isotype:	IgG
Cross-Reactivity:	Rat
Purification:	Purified by Protein A.

Target Details

Target:	IL12
Alternative Name:	IL-12 (IL12 Products)
Background:	Synonyms: IL12, IL-12, CLMF p35, CLMF1, CTL maturation factor (TcMF), Cytotoxic lymphocyte

Target Details

maturation factor 1, Cytotoxic lymphocyte maturation factor 35 kDa subunit, IL 12 subunit p35, IL12A, Interleukin 12 alpha chain, Interleukin 12 p35, Interleukin 12A, Natural killer cell stimulatory factor 1, CLMF, CLMF p35, Cytotoxic lymphocyte maturation factor 35 kDa subunit, IL-12 subunit p35, IL-12A, IL12 subunit p35, IL12A, IL12A_HUMAN, Interleukin 12 p35, Interleukin 12A, Interleukin-12 subunit alpha, NFSK, NK cell stimulatory factor chain 1, NKSF1. NK cell stimulatory factor chain 1, NKSF1, p35, IL12A_RAT.

Background: IL-12 protein 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.

Gene ID: 84405

UniProt: [P29459](#)

Pathways: [JAK-STAT Signaling](#), [TLR Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Activated T Cell Proliferation](#), [Cancer Immune Checkpoints](#), [Inflammasome](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months