



IL-23 p40 Antibody [I 1108]

CATALOG NUMBER: 36-033

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	ELISA: (direct or indirect: 1:500-1:10,000). Western blot: (1:500-1:5,000 using ECL. Suggested blocking and dilution buffer is TBST with 0.05% Tween 20 and 5% skim milk. Suggested incubation time is 1 hour at room temperature). Optimal conditions should be determined individually for each application.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	Recognizes human IL-23p40. Does not cross-react with human IL-23p19.
IMMUNOGEN:	Recombinant human IL-23p40.
HOST SPECIES:	Mouse

Properties

PHYSICAL STATE:	Liquid
BUFFER:	Liquid. 0.2um-filtered solution in PBS, pH 7.4. Contains no preservatives.
CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	Stable for at least 1 year after receipt when stored at -20°C.
CLONALITY:	Monoclonal
ISOTYPE:	IgG1, kappa
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	Interleukin-23 Subunit p40; IL-23 Subunit p40; Interleukin-12 Subunit beta IL-12B; Cytotoxic Lymphocyte Maturation Factor 40 kDa Subunit; CLMF p40; IL-12 Subunit p40; NK Cell Stimulatory Factor Chain 2; NKSF2
ACCESSION NO.:	NP_002178.2
PROTEIN GI NO.:	24497438
OFFICIAL SYMBOL:	IL12B
GENE ID:	3593

Background

BACKGROUND:	IL-23p40 associates with IL-23A to form the IL-23 interleukin, an heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 binds to an heterodimeric receptor complex composed of IL-12RB1 and IL-23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis. Defects in IL-23p40 are a cause of mendelian susceptibility to mycobacterial disease (MSMD). Genetic variations in IL-23p40 are a cause of susceptibility to psoriasis type 11 (PSORS11).
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FOR RESEARCH USE ONLY

