



Datasheet for ABIN6964021  
**anti-IL-12/IL-23 p40 antibody**



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1 Publication

### Overview

Quantity:	500 µg
Target:	IL-12/IL-23 p40
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL-12/IL-23 p40 antibody is un-conjugated
Application:	Neutralization (Neut)

### Product Details

Immunogen:	Recombinant human IL-23
Clone:	MT3279H
Isotype:	IgG2b
Specificity:	Native and recombinant p40 subunit of human IL-12 and IL-23
Purification:	Purified from in vitro cultures by protein G affinity chromatography.

### Target Details

Target:	IL-12/IL-23 p40
Alternative Name:	IL12/23 (p40) ( <a href="#">IL-12/IL-23 p40 Products</a> )
Gene ID:	3592, 3593

## Application Details

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**Application Notes:** Neutralization of human IL-12 and IL-23 bioactivity. It is recommended to establish the optimal antibody concentration for the assay system used. Neutralization assay: Neutralization of human IL-12 and human IL-23 induced IFN- $\gamma$  production (see graphs). To determine the neutralizing capacity and ND50 on IL-12 induced IFN- $\gamma$  production, mixtures of various concentrations of mAb MT3279H, human recombinant IL-12 (10 ng/mL) and recombinant IL-1 $\beta$  (50 ng/mL) were added to human PBMC. For determination of the neutralizing capacity and ND50 on IL-23 induced IFN- $\gamma$  production, mixtures of various concentrations of mAb MT3279H, human recombinant IL-23 (10 ng/ml) and recombinant IL-18 (50 ng/mL) were added to human PBMC. Following overnight incubation, cell supernatants were quantified in IFN- $\gamma$  ELISA. Neutralization dose 50 (ND50): MT3279H neutralized the effect of IL-12 and IL-23 at a ND50 value of 0.2-0.5  $\mu$ g/mL when 10 ng/mL of recombinant human IL-12 or IL-23 was present. ND50 is defined as the concentration of antibody that results in 50 % inhibition of the biological response under the experimental conditions specified.

**Restrictions:** For Research Use only

## Handling

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**Concentration:** 1 mg/mL

**Buffer:** supplied at 1 mg/mL in PBS free of preservatives

**Preservative:** Without preservative

**Storage:** 4 °C, -20 °C

**Storage Comment:** Store product at 4-8°C or frozen at -20°C or below. Avoid repeated freezing/thawing.

**Expiry Date:** 18 months

## Publications

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**Product cited in:** Saghafian-Hedengren, Sohlberg, Theorell, Carvalho-Queiroz, Nagy, Persson, Nilsson, Bryceson, Sverremark-Ekström: "Epstein-Barr virus coinfection in children boosts cytomegalovirus-induced differentiation of natural killer cells." in: **Journal of virology**, Vol. 87, Issue 24, pp. 13446-55, (2014) ([PubMed](#)).