Datasheet for ABIN6964021

anti-IL-12/IL-23 p40 antibody

1 Publication

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Overview

Quantity:	500 µg
Target:	IL-12/IL-23 p40
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
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) (IL-12/IL-23 p40 Products)
Gene ID:	3592, 3593

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Application Details

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 Neutralization assay: Neutralization of human IL-12 and human IL-23 induced IFN-γ production (see graphs). To determine the neutralizing capacity and ND50 on IL-12 induced IFN-γ production, mixtures of various concentrations of mAb MT3279H, human recombinant IL-12 (10 ng/mL) and recombinant IL-1β (50 ng/mL) were added to human PBMC. For determination of the neutralizing capacity and ND50 on IL-23 induced IFN-γ 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-γ ELISA. Neutralization dose 50 (ND50): MT3279H neutralized the effect of IL-12 and IL-23 at a ND50value of 0.2-0.5 µg/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

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

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).