

Human Interleukin-23 (p19) Monoclonal antibody

FOR NEUTRALIZATION

General

Antibody:	MT155
Product code:	3457-5N-500
Quantity:	500 µg
Immunogen:	Recombinant human IL-23
Isotype:	Mouse IgG2b
Specificity:	Native and recombinant human IL-23. The antibody recognises the p19 subunit of the IL-23 heterodimer (p40+p19). The antibody cross-reacts with native p19 from cynomolgus macaques. Cross-reactivity has been tested in ELISA or ELISpot. Please contact Mabtech for information on reactivity with other monkey species.
Concentration:	1 mg/ml
Buffer:	Supplied in sterile filtered (0.2 µm) PBS. Contains no preservatives. The endotoxin content in the product is below 10 EU/mg.
Purification:	Purified from <i>in vitro</i> cultures by protein G affinity chromatography.
Storage:	Store product at 4-8°C or frozen at -20°C or below. Avoid repeated freezing/thawing.
Applications:	Neutralization of human IL-23 bioactivity. It is recommended to establish the optimal antibody concentration for the assay system used. The antibody is also suitable for immunoassays.

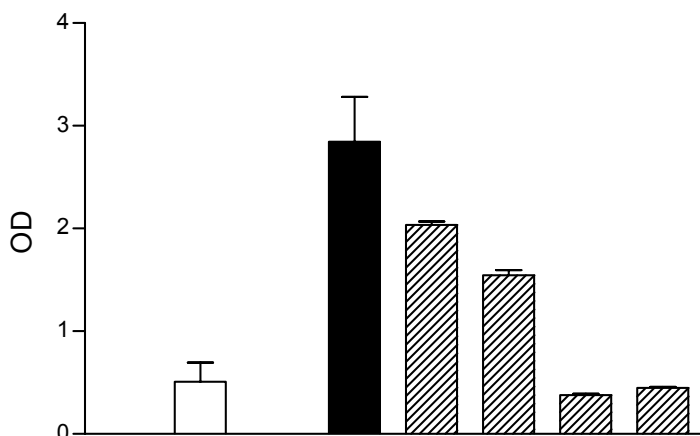
Neutralization

Neutralization assay: Neutralization of human IL-23 induced IFN- γ production (see graph).

To determine the neutralizing capacity and ND_{50} , mixtures of various concentrations of mAb MT155, human recombinant IL-23 (10 ng/ml) and recombinant human 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): MT155 neutralized the effect of IL-23 at a ND_{50} value of 0.2-0.8 μ g/ml when 10 ng/ml recombinant human IL-23 was present.

ND_{50} is defined as the concentration of antibody that results in 50% inhibition of the biological response under the experimental conditions specified.



IL-23 (10 ng/ml)			+	+	+	+	+	+
IL-18 (50 ng/ml)		+		+	+	+	+	+
MT155 (μ g/ml)					0.1	1	10	100

Developed and manufactured by MABTECH AB, Sweden, whose quality management system complies with the standards ISO 9001:2015 & ISO 13485:2016.



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