

# Human Interleukin-17A Monoclonal antibody

FOR NEUTRALIZATION

# General

<b>Antibody:</b>	MT504
<b>Product code:</b>	3520-5N-500
<b>Quantity:</b>	500 µg
<b>Immunogen:</b>	Recombinant human IL-17A
<b>Isotype:</b>	Mouse IgG1
<b>Specificity:</b>	Native and recombinant human IL-17A. Cross-reacts with native IL-17 from rhesus and cynomolgus macaques and common marmosets. Cross-reactivity has been tested in ELISA or ELISpot. Please contact Mabtech for information on reactivity with other monkey species.
<b>Concentration:</b>	0.5 mg/ml
<b>Buffer:</b>	Supplied in sterile filtered (0.2 µm) PBS. Contains no preservatives. The endotoxin content in the product is below 10 EU/mg.
<b>Purification:</b>	Purified from <i>in vitro</i> cultures by protein G affinity chromatography.
<b>Storage:</b>	Store product at 4-8°C or frozen at -20°C or below. Avoid repeated freezing/thawing.
<b>Applications:</b>	Neutralization of human IL-17A bioactivity. It is recommended to establish the optimal antibody concentration for the assay system used. The antibody is also suitable for immunoassays.

# Neutralization

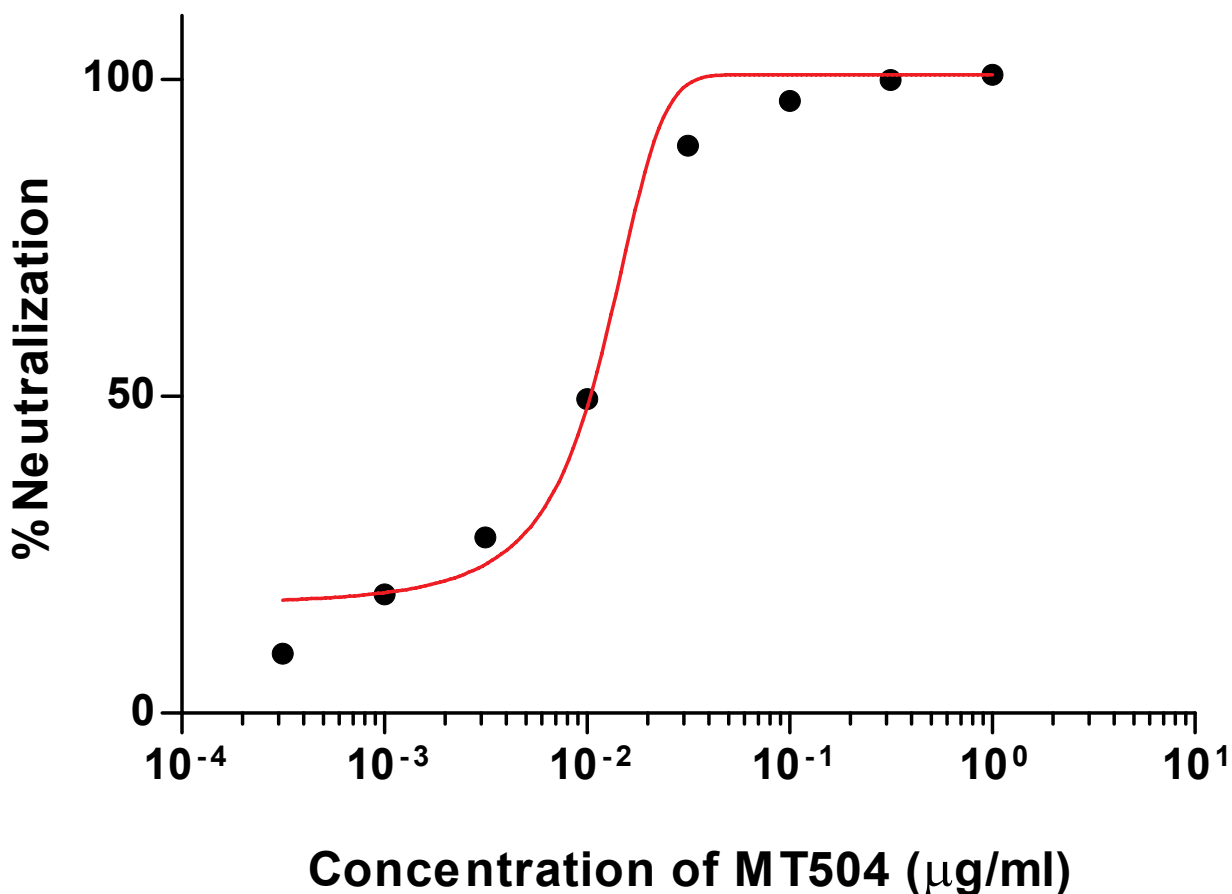
**Neutralization assay:** Neutralization of human IL-17A induced IL-6 production (see graph).

To determine the neutralizing capacity and  $ND_{50}$ , various concentrations of mAb MT504 and human recombinant IL-17A were added to normal human dermal fibroblasts. Following overnight incubation, cell supernatants were quantified in IL-6 ELISA.

**Neutralization dose 50 (ND50):** MT504 neutralized the effect of IL-17A at a  $ND_{50}$  value of 0.01-0.03  $\mu\text{g/ml}$  when 10 ng/ml IL-17A 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.

## Neutralization of human IL-17A by MT504



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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