

## anti-human IL-6 no azide

The antibody 8C9 reacts with human IL-6.

IL-6 is a cytokine with a wide variety of biological functions: it plays an essential role in the final differentiation of B-cells into immunoglobulin secreting cells, induces myeloma and plasmacytoma growth and induces also nerve cells differentiation. In hepatocytes it induces acute phase reactants.

**Neutralization of human IL-6 bioactivity:** The concentration of antibody clone 8C9 required to neutralize human IL-6 bioactivity depends on cellular species, growth conditions and the customer-specific type of study. To provide a guideline the Neutralization dose<sub>50</sub> (**ND**<sub>50</sub>) was determined for this antibody under specific conditions.

This specific **ND**<sub>50</sub> is defined as that concentration of antibody clone 8C9 required to yield one-half maximal inhibition of rhIL-6 bioactivity on the responsive cell line hIL-6R transfected cells when rhIL-6 is present at an adequate concentration to get a maximum response. The **ND**<sub>50</sub> of the anti-hIL-6-antibody clone 8C9 is approximately **0.1-0.15 µg/ml**.

<b>Clone:</b>	8C9
<b>Isotype:</b>	Mouse IgG2b
<b>Physical state:</b>	Purified by ion exchange column method
<b>Purity:</b>	> 95% (by SDS-PAGE)
<b>Buffer:</b>	Sterile PBS (pH 7.4)
<b>Storage Instruction:</b>	Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.
<b>Application:</b>	Neutralisation, Flow Cytometry, Immunohistochemistry
<b>Quantity:</b>	0.1 mg
<b>Order N°:</b>	H12494NA

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