

Tocilizumab ELISA Kit

SKU: GXEL00093 | Assay: Quantitative ELISA (Colorimetric)

The Tocilizumab ELISA Kit (SKU: GXEL00093) is a high-sensitivity quantitative ELISA for the quantitative measurement of Tocilizumab in Plasma, Serum. The assay covers a detection range of 156.3 ng/mL—10000 ng/mL and is read colorimetrically at 450 nm.

Background: Tocilizumab is a humanized IgG1 monoclonal antibody to the IL-6 receptor that is used largely as therapy of refractory rheumatoid arthritis and other inflammatory arthritides. Tocilizumab blocks the action of IL-6, which is a key proinflammatory cytokine that mediates a wide spectrum of biologic activities including activation of T cells, differentiation of B cells, induction of acute phase reactants, proliferation of fibroblasts, and damage to cartilage and joints. IL-6 levels are elevated in patients with active rheumatoid arthritis. In controlled trials and open label studies, tocilizumab therapy led to improvements in symptoms and laboratory abnormalities associated with several forms of inflammatory arthritis. Tocilizumab was approved for use in the United States in 2010 and current indications include rheumatoid arthritis, giant cell arteritis and both the polyarticular and systemic forms of juvenile idiopathic arthritis (formerly juvenile rheumatoid arthritis). Tocilizumab is considered a disease modifying antirheumatic drug (DMARD) and improves signs and symptoms of disease and decreases cartilage and tissue destruction.

Specifications

Product Name	Tocilizumab ELISA Kit
SKU	GXEL00093
Accession	P08887
Alternative Names	Atlizumab, MRA / R-1569 / RHPM-1 / RO-4877533, 375823-41-9
Assay Type	Quantitative
Detection Method	Colorimetric
Detection Range	156.3 ng/mL—10000 ng/mL
Recovery	80-120%
Sample Types	Plasma, Serum
Storage	2-8°C. See Storage & Stability.
Note	For Research Use Only. Not for diagnostic procedures.

Storage & Stability

The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 20% prior to the expiration date under appropriate storage condition. Store at 2-8°C on receipt; avoid repeated freeze-thaw cycles.

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