

Ibalizumab ELISA Kit

SKU: GXEL00054 | Assay: Quantitative ELISA (Colorimetric)

The Ibalizumab ELISA Kit (SKU: GXEL00054) is a high-sensitivity quantitative ELISA for the quantitative measurement of Ibalizumab in Plasma, Serum. The assay covers a detection range of 0.31-5 µg/mL with a sensitivity of 0.156 µg/ml and is read colorimetrically at 450 nm.

Background: Ibalizumab, a recombinant humanized monoclonal antibody, represents the first novel agent for HIV-1 management in over a decade and is the first monoclonal antibody for the treatment of MDR HIV-1 infection in combination with other forms of antiretroviral therapy in heavily treatment-experienced adults who are failing their current antiretroviral regimen. Ibalizumab demonstrates a novel mechanism of action as a CD4-directed postattachment inhibitor and has a favorable pharmacokinetic profile that allows for a dosing interval of every 14 days after an initial loading dose. Clinical studies have demonstrated reasonably substantial antiretroviral activity with ibalizumab among a complex patient population with advanced HIV-1 infection who are receiving an optimized background regimen, where limited therapeutic options exist. Ibalizumab was well tolerated in clinical trials, and the most common adverse effects included diarrhea, nausea, dizziness, fatigue, pyrexia, and rash. Resistance to ibalizumab has also been observed via reduced expression or loss of the potential N-linked glycosylation sites in the V5 loop of the envelope glycoprotein 120. The mechanism of action, pharmacokinetic parameters, efficacy, and safety of ibalizumab present an advance in the management of MDR HIV-1 infection. Future studies and postmarketing experience will further determine longer-term clinical efficacy, safety, and resistance data for ibalizumab.

Specifications

Product Name	Ibalizumab ELISA Kit
SKU	GXEL00054
Accession	P01730
Alternative Names	Hu5A8, TMB-355, TNX-355, 680188-33-4
Assay Type	Quantitative
Detection Method	Colorimetric
Sensitivity	0.156 µg/ml
Detection Range	0.31-5 µg/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 10% prior to the expiration date under appropriate storage condition. Store at 2-8°C on receipt; avoid repeated freeze-thaw cycles.

Assay Genie Ltd, 25 Windsor Place, Dublin 2, D02 VY42, Ireland | +353 1 563 9720 | www.assaygenie.com | techsupport@assaygenie.com
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