

## Daratumumab ELISA Kit

SKU: GXEL00169 | Assay: Quantitative ELISA (Colorimetric)

The Daratumumab ELISA Kit (SKU: GXEL00169) is a high-sensitivity quantitative ELISA for the quantitative measurement of Daratumumab in Plasma, Serum. The assay covers a detection range of 156.25 - 10,000 ng/mL with a sensitivity of 104.76 ng/mL and is read colorimetrically at 450 nm.

**Background:** Daratumumab is human IgG1 monoclonal antibody to CD38, which is a transmembrane glycoprotein that is frequently overexpressed on cancer cells including multiple myeloma cells. The monoclonal antibody binds to the CD38 molecule and triggers cell apoptosis, probably as a result of antibody mediated cytotoxicity. Daratumumab has been evaluated in heavily pretreated patients with refractory multiple myeloma and shown overall response rates of higher than expected. Daratumumab was given accelerated approval in the United States in 2015 for use in multiple myeloma. Current indications are as therapy of patients with refractory multiple myeloma in combination with lenalidomide (or bortezomib) and dexamethasone or as monotherapy in patients who have failed at least three previous regimens. Daratumumab is available as a solution for intravenous infusion in single use vials of 100 mg in 5 mL or 400 mg in 20 mL (20 mg/mL). The recommended dose is 16 mg/kg intravenously every week for 8 to 9 weeks, and then every 2, 3 or 4 weeks based upon indications and other agents being used. Premedication with methylprednisolone is recommended. Side effects are common and can include infusion reactions, bone marrow suppression, fatigue, nausea and vomiting, diarrhea, muscle spasms, back pain, fever, cough, dyspnea, peripheral edema, peripheral neuropathy and upper respiratory infection. Rare, but potentially serious side effects include severe infusion reactions, neutropenia, thrombocytopenia and interference with cross matching and red blood cell antibody screening.

### Specifications

|                   |                                                       |
|-------------------|-------------------------------------------------------|
| Product Name      | Daratumumab ELISA Kit                                 |
| SKU               | GXEL00169                                             |
| Accession         | P28907                                                |
| Alternative Names | HuMax-CD38, 945721-28-8                               |
| Assay Type        | Quantitative                                          |
| Detection Method  | Colorimetric                                          |
| Sensitivity       | 104.76 ng/mL                                          |
| Detection Range   | 156.25 - 10,000 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

When the kit was stored at the recommended temperature for 6 months, the signal intensity decreased by less than 20%. For unopened kits, if you want to prolong the storage time, please store the Standard, Detection A, Detection B and Microplate at -20 °C, the rest reagents should be stored at 4°C. Store at 2-8°C on receipt; avoid repeated freeze-thaw cycles.

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