C068P: Isatuximab Biosimilar, Anti-human CD38 Monoclonal Antibody

Catalog No.: C068P | **Product Name:** Isatuximab Biosimilar, CD38 Monoclonal Antibody

Isatuximab Biosimilar, CD38 Monoclonal Antibody. The research grade Isatuximab biosimilar protein is for research use only (RUO). Recombinant human IgG1 isotype controls are available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

PRODUCT SPECIFICATIONS

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Product Name	Isatuximab Biosimilar, CD38 Monoclonal Antibody
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	cluster of differentiation 38, cyclic ADP ribose hydrolase, a paralog of CD157, ADPRC1, ADPRC 1
Summary	Recombinant Humanized IgG1 Monoclonal Antibody.
Isotype	Humanized IgG1.
Source/Host	The anti-human CD38 monoclonal antibody isatuximab biosimilar was produced in mammalian cells.
Specificity/Sensitivity	The research grade isatuximab biosimilar specifically binds to the human CD38 proteins.
Applications	ELISA, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways affected by isatuximab.
Form Of Antibody	0.2 μM filtered solution, pH 7.4, no stabilizers or preservatives.
Endotoxin	<1 EU/mg of the protein by the LAL method.
Purity	>95% by SDS-PAGE under reducing conditions and HPLC.
Shipping	The research grade isatuximab biosimilar is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied.
Note	The research grade Isatuximab biosimilar protein is for research use only (RUO). Recombinant human IgG1 isotype controls are available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

REFERENCES & BACKGROUND

What is Isatuximab biosimilar research grade? Isatuximab Biosimilar uses the same protein sequences as the therapeutic antibody isatuximab. Isatuximab is a humanized, IgG1-derived monoclonal antibody (mAb) produced from a Chinese hamster ovary (CHO) cell line. Structurally, isatuximab is comprised of two identical immunoglobulin kappa light chains and two identical immunoglobulin gamma heavy chains. It is a cytolytic antibody targeted against CD38, a glycoprotein found on the surface of some immune cells that is highly expressed by malignant plasma cells in multiple myeloma. Along with daratumumab, another anti-CD38 monoclonal antibody, isatuximab constitutes a novel treatment modality for patients with difficult-to-treat multiple myeloma.