

Anti-SELP (Crizanlizumab), Humanized Antibody

11/20

CATALOG NO.: A2248-100 (100 µg)

BACKGROUND DESCRIPTION: The research-grade biosimilar is a humanized IgG2, kappa monoclonal antibody that selectively targets P-selectin (SELP). P-selectin is a glycoprotein found on the surface of endothelial cells. It belongs to the family of Selectins and functions as a cell adhesion molecule (CAM). Upon binding to its ligand P-selectin glycoprotein ligand-1 (PSGL-1, SELPLG), SELP controls the flow of white blood cells and how they adhere to the walls of blood vessels during inflammatory and tissue repair conditions. In sickle cell anemia, SELP increases the adhesion of sickle cell red blood cells to blood vessels, thereby restricting blood flow and causing inflammation and pain crises. The monoclonal antibody binds to SELP and prevents its interaction with the ligand and thus restores the normal flow of the blood. The original monoclonal antibody is FDA approved to treat patients with sickle cell disease and sickle cell-associated vaso-occlusive crises.

ALTERNATE NAMES: CD62, GRMP, PSEL, CD62P, GMP140, LECAM3, PADGEM, SELP

ANTIBODY TYPE: Monoclonal

HOST/ISOTYPE: Recombinant / IgG2, kappa

SOURCE: CHO cells

IMMUNOGEN: Human P-Selectin

CAS NUMBER: 1690318-25-2

MOLECULAR WEIGHT: 146 kDa

PURIFICATION: Protein A purified

FORM: Liquid

FORMULATION: In PBS, pH 7.5

SPECIES REACTIVITY: Human

STORAGE CONDITIONS: Store at -80°C. Avoid freeze/thaw cycles

This information is only intended as a guide. The optimal dilutions must be determined by the user

RELATED PRODUCTS:

Anti-α4β7 Integrin (Vedolizumab), Humanized Antibody (A2140)
 Anti-TNF-α (Certolizumab Pegol), Humanized Antibody (A2142)
 Anti-C5 (Eculizumab), Humanized Antibody (A2138)
 Anti-VEGF-A (Brolucizumab), Humanized Antibody (A2221)
 Anti-TNF-α (Adalimumab), humanized Antibody (A1048)

FOR RESEARCH USE ONLY! Not to be used on humans.