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# Crizanlizumab

National Cancer Institute

## Source

National Cancer Institute. *Crizanlizumab*. NCI Thesaurus. Code C133543.

A humanized monoclonal immunoglobulin G1 anti-P-selectin antibody with vaso-protective and anti-vaso-occlusive properties. Upon administration, crizanlizumab binds to P-selectin and blocks its interaction with P-selectin glycoprotein ligand-1 (PSGL-1; SELPLG) on neutrophils and monocytes. P-selectin, a glycoprotein that functions as a cell adhesion molecule (CAM), translocates to the surface of activated endothelial cells and platelets, upon stimulation, where it binds to its ligand and mediates the rolling of platelets and neutrophils on activated endothelial cells. Therefore, blockade of p-selectin may inhibit platelet aggregation, maintain blood flow and minimize sickle cell-related pain crises (SCPC).