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Certolizumab Pegol

National Cancer Institute

Source

National Cancer Institute. *Certolizumab Pegol*. NCI Thesaurus. Code C80972.

A Fab fragment of a recombinant, humanized monoclonal antibody directed against the proinflammatory cytokine tumor necrosis factor- α (TNF- α) and conjugated to polyethylene glycol (PEG), with anti-inflammatory activity. Upon administration, certolizumab binds to TNF- α and prevents the interaction of this cytokine with endogenous cell surface receptors, thereby rendering TNF- α inactive and inhibiting TNF-mediated inflammatory responses. TNF- α is a protein involved in inflammation, cell survival, and apoptosis. Pegylation of certolizumab allows for an improved pharmacokinetic profile.