

Anti-CTGF (Pamrevlumab), Human IgG1 Antibody

rev 01/21

CATALOG NO.: A2207-100 (100 µg)

BACKGROUND DESCRIPTION: The research-grade biosimilar is a fully human IgG1 monoclonal antibody that is directed against connective tissue growth factor (CTGF). CTGF is a cysteine-rich glycoprotein that is found in several cell types such as fibroblasts, smooth muscle cells, and cartilaginous cells. It is known to be involved in multiple pathological and biological processes such as angiogenesis, tumor development, skin diseases, and osteogenesis. Studies have demonstrated that increased CTGF expression is found in fibrotic lesions, which suggests its role in causing fibrosis. Fibrosis is one of the hallmarks of muscular dystrophies, resulting in weakness and injury of the muscles. Increased expression of CTGF is also observed in muscular dystrophies. Binding of the antibody to CTGF decreases fibrosis in muscles and improves the function of the muscles. The original monoclonal antibody received Fast Track designation from the FDA to treat idiopathic pulmonary fibrosis (IPF) and pancreatic cancer. Currently, the original antibody is undergoing clinical trials to treat Duchenne muscular dystrophy.

ALTERNATE NAMES: CCN2, NOV2, HCS24, IGFBP8, IGFBP-8, IBP-8, IGF-Binding Protein 8, CCN Family Member 2

ANTIBODY TYPE: Monoclonal

CONCENTRATION: Lot specific

HOST/ISOTYPE: Recombinant / IgG1, kappa

SOURCE: CHO cells

IMMUNOGEN: Human CTGF

CAS NUMBER: 946415-13-0

PURIFICATION: Protein A purified

FORM: Liquid

FORMULATION: In PBS, pH 7.5

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-TNF-α (Certolizumab Pegol), Humanized Antibody (A2142)

Anti-IL-6 (Siltuximab), Chimeric Antibody (A2143)

Anti-VEGF-A Humanized Antibody (A2136)

Anti-EGFR (Cetuximab), Chimeric Antibody (A1047)

Anti-EGFR (Matuzumab), Human IgG1 Antibody (A1090)

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