Anti-IL-6 receptor (Tocilizumab), Human IgG1 Antibody

CATALOG NO: A1447-200

AMOUNT: 200 µg

ALTERNATE NAMES: Actemra, Tocilizumab/Atlizumab, tocilizumab, rotocilizumab, 375823-41-9, atlizumab, tocilizumab, Rotocilizumab, IL6R, interleukin 6 receptor

ISOTYPE / FORMAT: Human IgG1, kappa

CLONALITY: Monoclonal

CLONE: rhPM-1 (Tocilizumab)

SPECIES REACTIVITY: Human

IMMUNOGEN: This antibody was prepared by CDR grafting of mouse AUK 12-20 antibody onto a human framework regions.

FORM: Liquid

SPECIFICITY: Tocilizumab binds specifically to both the membrane bound and soluble forms of human IL-6R. The IL6 receptor is a protein complex consisting of an IL-6 receptor subunit (IL6R) and interleukin 6 signal transducer Glycoprotein 130. Interleukin 6 (IL6) is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in immune response.

PURIFICATION: Affinity purified using Protein A

FORMULATION: Supplied in PBS only

STORAGE CONDITIONS: Store at 4°C for upto 3 months. For long term storage, aliquot and freeze at -20°C. Avoid repeated freeze/defrost cycles.

DESCRIPTION: Recombinant monoclonal antibody to IL-6 receptor. Manufactured using Recombinant Platform with variable regions (i.e. specificity) from the therapeutic antibody rhPM-1 (Tocilizumab).

APPLICATION: Tocilizumab can be used in ELISA assays and is able to inhibit the growth of IL-6-dependent tumor cell lines (to the same extent as the original AUK12-20 mouse antibody) - inhibits sIL-6R and mIL-6R-mediated signaling.


RELATED PRODUCTS:
- Anti-VEGF (Bevacizumab), humanized Antibody (Cat. No. A1045)
- Anti-HER2 (Trastuzumab), humanized Antibody (Cat. No. A1046)
- Anti-EGFR (Cetuximab), Chimeric Antibody (Cat. No. A1047)
- Anti-TNF-α (Adalimumab), humanized Antibody (Cat. No. A1048)
- Anti-CD20 (Rituximab), Chimeric Antibody (Cat. No. A1049)
- Anti-EGFR (Panitumumab), humanized antibody (Cat. No. A1050)
- Anti-OX40L (Oxelumab), Human IgG1 Antibody (Cat. No. A1088)
- Anti-CD11a (Elalizumab), Human IgG1 Antibody (Cat. No. A1089)
- Anti-EGFR (Matuizumab), Human IgG1 Antibody (Cat. No. A1090)
- Anti-CD4 (Clenoliximab), Human IgG4 Antibody (Cat. No. A1091)
- Anti-alpha 5 beta1 Integrin (Volociximab), Human IgG4 Antibody (Cat. No. A1092)
- Anti-TNF alpha (Humicade), Human IgG4 Antibody (Cat. No. A1093-200)
- Anti-CD40L (Ruplizumab), Human IgG1 Antibody (Cat. No. A1094-200)
- Anti-Human Ephrin Type A receptor 2 (1C1), Human IgG1 Antibody (Cat. No. A1095)
- Anti-Carcinoembryonic antigen (Arcitumomab), Human IgG1 Antibody (Cat. No. A1096)
- Anti-TNF alpha (Infliximab), Human IgG1 Antibody (Cat. No. A1097)
- Anti-IL-2R alpha (CD25) (Basiliximab), Human IgG1 Antibody (Cat. No. A1098)

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