
Product Datasheet

CD40 antibody (orb758982)

Description

Rabbit monoclonal antibody to CD40

Species/Host

Mouse

Reactivity

Human

Conjugation

Unconjugated

Tested Applications

Blocking

Immunogen

This antibody was generated by immunizing female BALB/c mice with a fusion protein containing extracellular domain of human CD40 fused to the hinge CH2 and CH3 domains of a murine IgG2b antibody.

Target

CD40

Preservatives

PBS with 0.02% Proclin 300.

Concentration

1 mg/ml

Storage

Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Note

For research use only

Application notes

This antibody blocks the interaction between CD40 and gp39. Chi220 was used either alone or in combination with CTLA4-Ig in an immunosuppressive therapy study to check the survival of renal allografts in non human primate models (PMID: 12394833). Chi220 blocks binding of CD154, it also has partial agonist properties and weak stimulatory potential. It synergistically works with LEA29Y (belatacept) to prolong the islet allograft survival in a non-human primate *Macaca fascicularis* (PMID: 15611281). A study on protection of islets xenographs in diabetic macaques used a combination of Chi220 with IL-2 receptor specific antibody Basiliximab for immunosuppression with induction therapy. Chi220 is used as an sCD154 blocking agent and it was seen that it binds sCD154 in a dose dependant manner (PMID: 21920020). Two humanized versions of this antibody were generated F4 and L3.17, also showed similar properties. Humanized versions of this antibody are available on request.

Isotype

IgG

Clonality

Monoclonal

Purity

Purified