



[Go to Product page](#)

Datasheet for ABIN5668047

Recombinant anti-CD40L (Ruplizumab Biosimilar) antibody

1 Image

Overview

| | |
|----------------|---|
| Quantity: | 200 µg |
| Target: | CD40L (Ruplizumab Biosimilar) |
| Reactivity: | Human |
| Host: | Rabbit |
| Antibody Type: | Recombinant Antibody |
| Clonality: | Monoclonal |
| Conjugate: | This CD40L (Ruplizumab Biosimilar) antibody is un-conjugated |
| Application: | Flow Cytometry (FACS), Western Blotting (WB), Blocking Reagent (BR) |

Product Details

| | |
|------------------|--|
| Immunogen: | Human CD40L |
| Clone: | Hu5c8 |
| Isotype: | IgG kappa |
| Specificity: | The antibody binds to CD40L with an IC50 of 0.845 µg/mL. |
| Characteristics: | OriginalSpeciesName: Human OriginalFormat: IgG1 |
| Purification: | Purified antibody. |
| Purity: | > 98 % as determined by SDS-PAGE |
| Endotoxin Level: | Endotoxin is < 1.0 EU/mg as determined by the LAL method |

Target Details

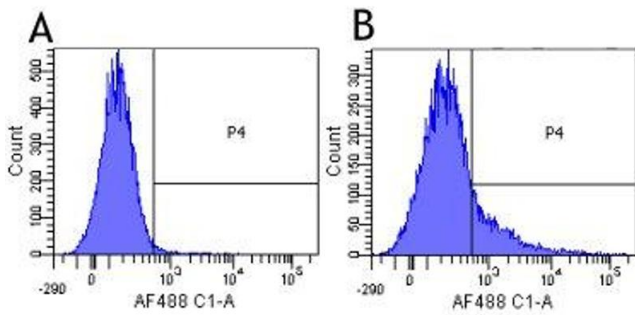
| | |
|--------------|---|
| Target: | CD40L (Ruplizumab Biosimilar) |
| Abstract: | CD40L (Ruplizumab Biosimilar) Products |
| Target Type: | Biosimilar |
| Background: | CD154, CD40 ligand, tumour necrosis factor ligand superfamily member 5, TNFSF5, tumour necrosis factor related activation protein, TRAP |
| UniProt: | P29965 |

Application Details

| | |
|--------------------|--|
| Application Notes: | The antibody binds specifically to CD40L, a surface receptor expressed on activated T cells which acts as a costimulatory molecule to trigger immune responses. The antibody neutralises CD40L function, as it blocks the interaction between CD40 and CD40L. When injected into cynomolgus monkeys, the original therapeutic antibody was found to have a T1/2 of 531? ±?155 hours. |
| Comment: | NOT FOR THERAPEUTIC USE - This is a research-grade biosimilar. This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques. |
| Restrictions: | For Research Use only |

Handling

| | |
|--------------------|---|
| Buffer: | PBS with 0.02 % Proclin 300. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. |



Flow Cytometry

Image 1. Flow-cytometry using the anti-CD40L research biosimilar antibody Ruplizumab (hu5c8,) Human lymphocytes were stained with an isotype control (panel A) or the rabbit-chimeric version of Ruplizumab (panel B) at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody (ab150073) and cells analysed on a FACSCanto flow-cytometer.