

## Anti-H\_CD40 hIgG1 Antibody(ravagalimab)

### Product information

|                 |        |
|-----------------|--------|
| GM-86199AB-10   | 10 µg  |
| GM-86199AB-100  | 100 µg |
| GM-86199AB-1000 | 1 mg   |

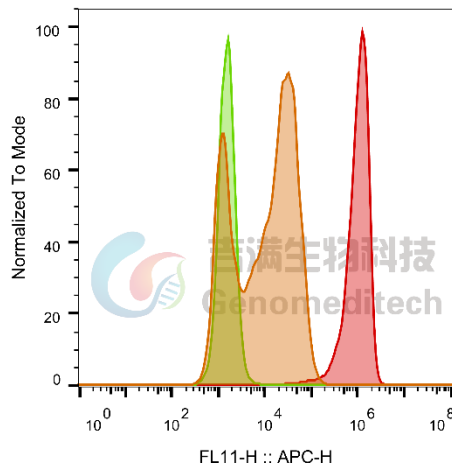
### Antibody Information

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Species Reactivity | Human;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Clone              | ravagalimab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Source/Isotype     | Monoclonal human IgG1, κ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Application        | Flow cytometry; Block assay ; ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Specificity        | Detects CD40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene               | CD40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Other Names        | Bp50, P50, CD40, TNFRSF5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene ID            | 958(human);102118696(Cynomolgus)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Background         | CD40 is a receptor protein on the cell membrane, belonging to the tumor necrosis factor receptor superfamily. It plays an important role in the immune system, primarily regulating the function of immune cells by binding to its ligand. The CD40 signaling pathway plays a crucial role in immune responses, inflammation regulation, apoptosis, and other processes. Studying the function and regulatory mechanisms of CD40 helps deepen our understanding of the principles of the immune system and provides a theoretical basis for the development of immune-modulating therapies. |
| Storage            | Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Formulation        | Phosphate-buffered solution, pH 7.2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Endotoxin          | < 1 EU/mg, determined by LAL gel clotting assay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Data Examples

### Flow cytometry

H\_CD40(TNFRSF5) HEK-293 Cell Line (Catalog # GM-C29215) was stained with Anti-H\_CD40 hlgG1 Antibody(ravagalimab) (Catalog # GM-86199AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

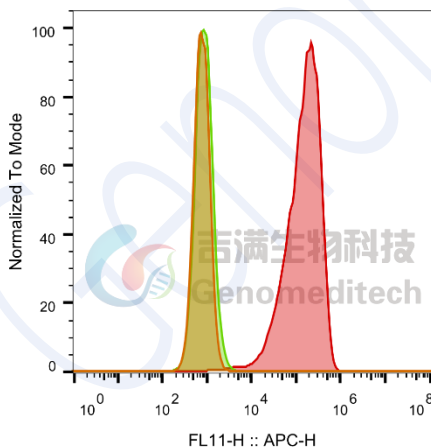


| SampleID                            | Geometric Mean : FL11-H |
|-------------------------------------|-------------------------|
| HEK-293 anti-CD40+APC-2nd Ab        | 9150                    |
| HEK-293 H_CD40 H_IgG+APC-2nd Ab     | 1555                    |
| HEK-293 H_CD40 anti-CD40+APC-2nd Ab | 9.42E5                  |

Fig. FACS

### Flow cytometry

Cynomolgus\_CD40 CHO-K1 Cell Line (Catalog # GM-C09602) was stained with Anti-H\_CD40 hlgG1 Antibody(ravagalimab) (Catalog # GM-86199AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



| SampleID                                | Geometric Mean : FL11-H |
|-----------------------------------------|-------------------------|
| CHO-K1 anti-H_CD40+APC-2nd Ab           | 779                     |
| CHO-K1 Cyno_CD40 H_IgG+APC-2nd Ab       | 880                     |
| CHO-K1 Cyno_CD40 anti-H_CD40+APC-2nd Ab | 136306                  |

Fig. FACS

### Block assay

Anti-H\_CD40 hlgG1 Antibody(ravagalimab) (Catalog # GM-86199AB) inhibits H\_CD40(TNFRSF5) Reporter Jurkat Cell Line (Catalog # GM-C09520) Luminescence induced by Human CD40L Protein (Catalog # GM-84919RP). IC50 for this effect is 0.05265 µg/mL.

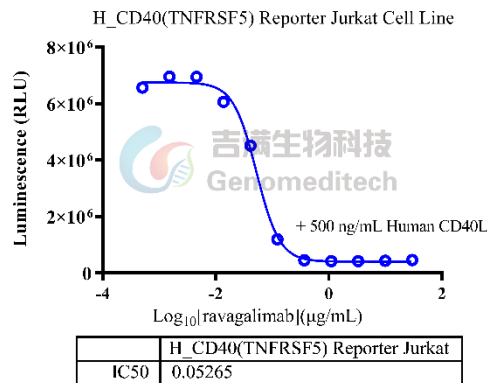


Fig. assay

Block assay

Anti-H\_CD40 hlgG1 Antibody(ravagalimab) (Catalog # GM-86199AB) inhibits H\_CD40(TNFRSF5) Reporter Jurkat Cell Line (Catalog # GM-C09520) Luminescence induced by H\_CD40L CHO-K1 Cell Line (Catalog #GM-C35532) . IC50 for this effect is 0.6862 μg/mL.

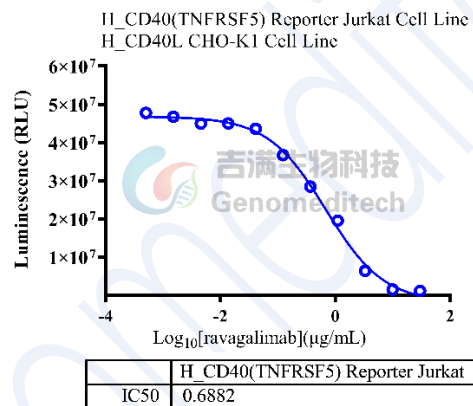


Fig. assay

Indirect ELISA

Human CD40 Protein; His Tag (Catalog # GM-87238RP) was immobilized at 1 μg/ml (100 μL/well). Increasing concentrations of Anti-H\_CD40 hlgG1 Antibody(ravagalimab) (Catalog # GM-86199AB) were added.

Human CD40 Protein; His Tag, ELISA  
0.1 μg Human CD40 Protein; His Tag of per well

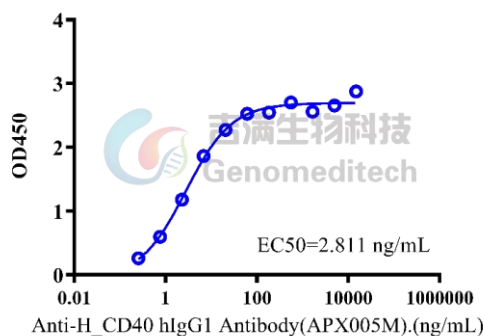


Fig. assay