Leader in Biomolecular Solutions for Life Science

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# Rabbit anti-Human CD40 mAb (CAP)

**Catalog No.: RM17915**

## Basic Information

**Catalog No.**
RM17915

**Catagory**
Elisa Antibody Kit

**Application**
ELISA,CLIA

## Product Information

**Ig Type**
Rabbit IgG

**Purification**
Affinity purification

**Endotoxin Level**

**Storage**
Store at -20℃
**Avoid repeated freeze-thaw cycles.**

**Formulation**
Supplied as a 0.2um filtered solution in PBS with 0.05%ProClin 300,PH 7.4.

## Contact


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## Background

This gene is a member of the TNF-receptor superfamily. The encoded protein is a receptor on antigen-presenting cells of the immune system and is essential for mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. AT-hook transcription factor AKNA is reported to coordinately regulate the expression of this receptor and its ligand, which may be important for homotypic cell interactions. Adaptor protein TNFR2 interacts with this receptor and serves as a mediator of the signal transduction. The interaction of this receptor and its ligand is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis. Mutations affecting this gene are the cause of autosomal recessive hyper-IgM immunodeficiency type 3 (HIGM3). Multiple alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

## Immunogen Information

**Immunogen**
Recombinant Human CD40 Protein

## Cross-Reactivity

No cross-reactivity in ELISA assay withrecombinant
Human sCD40L, Human TNF R1

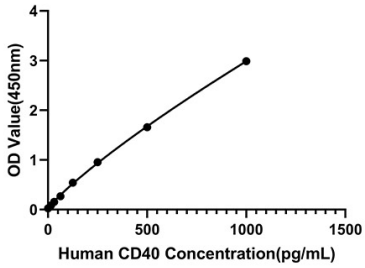
## Assay Applications

Human CD40 Sandwich Immunoassay

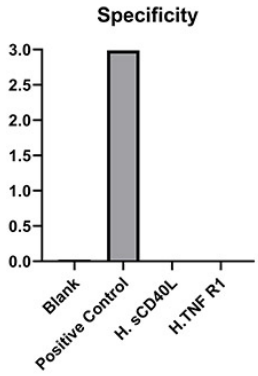
| | | Recommended Concentration | Sample |
|---|---|---|---|
| ELISA | Capture | 1-4ug/mL | Rabbit anti-Human CD40 mAb (CAP)(Cat. No.RM17915) |
| | Detection | 0.025-0.00625ug/mL | Rabbit anti-Human CD40 mAb (DET)(Cat. No.RM17916) |
| | Standard | 15.63-1000pg/mL | Recombinant Human CD40 Protein(Cat. No.RP01214) |

| | | | |
|---|---|---|---|
| CLIA | Capture | 1-4ug/mL | Rabbit anti-Human CD40 mAb (CAP)(Cat. No.RM17915) |
| | Detection | 0.5-2ug/mL | Rabbit anti-Human CD40 mAb (DET)(Cat. No.RM17916) |
| | Standard | 2.5-10000pg/mL | Recombinant Human CD40 Protein(Cat. No.RP01214) |

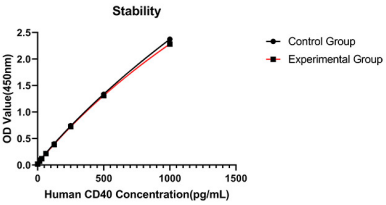
## Validation Data



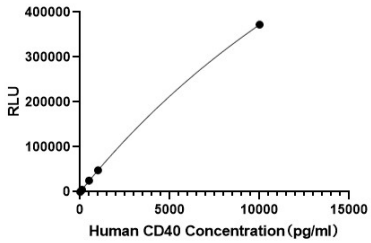

This standard curve is only for demonstration purposes. A standard curve should be generated for eachassay.




No significant cross-reactivity or interference was observed.




Placed at 37°C for 3 days, the stability of the standard curve all conformto CV <10%.




This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.