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# Mouse CD40L (Cluster of Differentiation 40 Ligand) ELISA Kit

**Cat #:** G-EC-04243

**Species:** Mouse

**Sensitivity:** 56.25pg/mL

**Type:** Sandwich

**Range:** 93.75~6000pg/mL

**Detection:** Colormetric

**Duration:** 3.5h

**Principle:**
This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Mouse CD40L. Samples (or Standards) are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Mouse CD40L and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Mouse CD40L, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The OD value is proportional to the concentration of Mouse CD40L. You can calculate the concentration of Mouse CD40L in the samples by comparing the OD of the samples to the standard curve.

**Specificity:**
This kit recognizes Mouse CD40L in samples. No significant cross-reactivity or interference between Mouse CD40L and analogues was observed.

**UniProt ID:** P27548

**Gene:** CD40L

**Synonyms:** TNFSF5, CD40LG, CD154, HIGM1, IGM, IMD3, T-BAM, TRAP, Gp39

**Specimen:** Serum, plasma and other biological fluids

**Application:** This ELISA kit applies to the in vitro quantitative determination of Mouse CD40L concentrations in Serum, plasma and other biologic

**Research Areas:** Cancer, Cardiovascular, Immunology

**Storage:**
An unopened kit can be stored at 2-8°C for 1 month. If the kit is not supposed to be used within 1 month, store the items separately according to the storage table in the manual once the kit is received.