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## 45-1078: Mouse Monoclonal Antibody to Human CTLA-4 (Clone: CT.E8) (Discontinued)

Clonality: Monoclonal
Clone Name: CT.E8
Application: ELISA
Gene: CTLA4
Gene ID: 1493
Uniprot ID: P16410
Format: Purified

Alternative Name: cytotoxic T-lymphocyte associated protein 4/CD/ GSE/ GRD4/ ALPS5/ CD152/ CTLA-4/ IDDM12/

CELIAC3

**Isotype:** Mouse IgG1, Kappa

Immunogen Information: Recombinant human CTLA4-Fc

## **Description**

CTLA-4 (cytotoxic T-lymphocyte-4, designated CD152), is a type I transmembrane T cell inhibitory molecule that is a member of the Ig superfamily. CTLA-4 is recruited from intracellular vesicles to the immunological synapse beginning 1-2 days after T cell activation. It forms a linear lattice with B7-1 on APC, inducing negative regulatory signals and ending T cell activation.

## **Product Info**

Amount:  $40 \mu g$ 

**Purification:** Protein A chromatography

**Content:** 0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody

**Storage condition:** can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or

below. Avoid repeated freezing and thawing cycles.

## **Application Note**

ELISA detection: 0.01-0.1 μg/ml ELISA blocking: 10-15 μg/ml Flow cytometry: 5-7 μg/ml

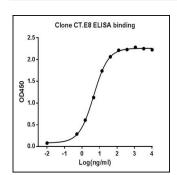


Figure-1 : ELISA binding of CTLA4 antibody (Clone: CT.E8) with Human CTLA4 recombinant protein, Coating antigen: CTLA4-Fc at 0.5  $\mu$ g/ml, CTLA4 antibody dilution start from 10000 ng/ml, EC50= 4.66 ng/ml



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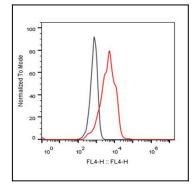


Figure-2 : Flow cytometric analysis of CTLA4 Antibody (Clone: CT.E8) on CHO-K1/CTLA4 stable cell expressing CTLA4 (Red histogram) and CHO negative control cell (Black histogram) at 5  $\mu$ g/ml, 2.5x10â $\mu$ cells/reaction, iFluor647 conjugated Goat Anti-Mouse IgG used as secondary antibody.