

## 36-2128: Anti-CTLA4 / CD152 (Negative Regulator of T-Cells) Monoclonal Antibody(Clone: L4P2F5.F10)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	L4P2F5.F10
<b>Application :</b>	FACS,IF,WB
<b>Reactivity :</b>	Human, Mouse, Rat
<b>Gene :</b>	CTLA4
<b>Gene ID :</b>	1493
<b>Uniprot ID :</b>	P16410
<b>Alternative Name :</b>	ALPS5; CD152; Celiac disease 3 (CELIAC3); Cytotoxic T-lymphocyte-associated antigen 4 (CTLA4); GRD4; GSE; ICOS; Insulin-dependent Diabetes Mellitus 12 (IDDM12)
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	A synthetic peptide from CTLA4 (exact sequence is proprietary)

### Description

CTLA4 (CD152) is a cell surface receptor that behaves as a negative regulator of the proliferation and the effector function of T cells. It contains a V domain, a transmembrane domain, and a cytoplasmic tail. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. The membrane-bound isoform functions as a homodimer interconnected by a disulfide bond, while the soluble isoform functions as a monomer. Mutations in this gene have been associated with insulin-dependent diabetes mellitus, Graves disease, Hashimoto thyroiditis, celiac disease, systemic lupus erythematosus, thyroid-associated orbitopathy, and other autoimmune diseases. The novel finding that CTLA-4 molecule is expressed and functional on human tumor cells opens up the possibility of antitumor therapeutic intervention based on targeting this molecule.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

Flow Cytometry (1-2ug/million cells); ,Immunofluorescence (1-2ug/ml); ,Western Blot (1-2ug/ml); ,

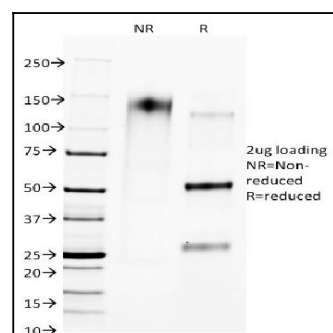


Fig. 1: SDS-PAGE Analysis of Purified CTLA4 Mouse Monoclonal Antibody (L4P2F5.F10). Confirmation of Purity and Integrity of Antibody