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

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

Amount :	20 µg / 100 µg
Content :	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.
Storage condition :	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); ,

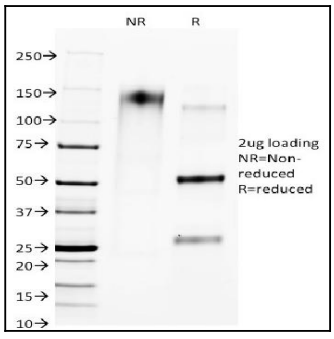


Fig. 1: SDS-PAGE Analysis of Purified CTLA4 Mouse Monoclonal Antibody (L4P2F5.F10). Confirmation of Purity and Integrity of Antibody

For Research Use Only. Not for use in diagnostic/therapeutics procedures.