

RPES8437

Product Information

Product SKU:	RPES8437	Expression Host:	Mammalian	Size:	20µg
Tag:	C-His	Reactivity:	Mouse	Accession:	P09793

Additional Information

Calculated MW:	13.8 kDa	Observed MW:	20-30 kDa
Sequence:	Glu36-Asp161		

Protein Information

Background: Cytotoxic T-lymphocyte protein 4, also known as CTLA4 and CD152, is a single-pass type I membrane protein and a member of the immunoglobulin superfamily. It is the second member of the CD28 receptor family. The ligands or counterreceptors for these two proteins are the B7 family members, CD80 (B7-1) and CD86 (B7-2). CTLA4 transmits an inhibitory signal to T cells, whereas CD28 transmits a stimulatory signal. Intracellular CTLA4 is also found in regulatory T cells and may play an important role in their functions. CD152 or cytotoxic T lymphocyte antigen-4 (CTLA-4) is an essential receptor involved in the negative regulation of T cell activation. Because of its profound inhibitory role, CD152 has been considered a sound susceptible candidate in autoimmunity and a persuasive target for cancer immunotherapy. In particular, recent evidence suggests that CD152 is also important in the homeostasis and function of a population of suppressive cells, termed regulatory T cells (Treg).

Synonyms: ALPS5, CD 152, CD, CD152, CD152 antigen, CD152 isoform, Celiac disease 3, CELIAC3, CTLA 4, CTLA-4, CTLA4, CTLA4, Cytotoxic T cell associated 4, Cytotoxic T lymphocyte antigen 4, Cytotoxic T lymphocyte associated 4, Cytotoxic T lymphocyte associated 4, soluble isoform, included, Cytotoxic T lymphocyte associated antigen 4, Cytotoxic T lymphocyte associated antigen 4 short spliced form, Cytotoxic T lymphocyte associated protein 4, Cytotoxic T lymphocyte associated serine esterase 4, Cytotoxic T lymphocyte protein 4, Cytotoxic T-lymphocyte protein 4, Cytotoxic T-lymphocyte-

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associated antigen 4, GRD4, GSE, ICOS, IDDM12, insulin-dependent diabetes mellitus 12, Ligand and transmembrane spliced cytotoxic T lymphocyte associated antigen 4, OTTHUMP00000216623

- Endotoxin:** < 1.0 EU/mg of the protein as determined by the LAL method
- Formulation:** Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
- Purity:** > 90% as determined by reducing SDS-PAGE.
- Bio-Activity:** Not validated for activity
- Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.