

Recombinant Rat CTLA-4 / CD152 Protein (ECD, His tag)

Cat.NO.: TP06557

3th Edition

Synonyms:CTLA-4

Description: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).
Immune CheckpointImmune Checkpoint Detection: Antibodies Immune Checkpoint Detection: ELISA Antibodies Immune Checkpoint Detection: IP Antibodies Immune Checkpoint Detection: WB AntibodiesImmune Checkpoint Proteins CTLA4 / CD152 Immune Checkpoint ProteinsImmune Checkpoint Targets Co-inhibitory Immune Checkpoint Targets Immunotherapy Cancer Immunotherapy Targeted Therapy

Form:PBS

Molecular Weight:15.2 kDa

Sequences:Met1-Asp161

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.