



Recombinant Protein Technical Manual
Recombinant Mouse CD28/TP44 Protein (Fc & His
Tag)
RPES0536

Product Data:

Product SKU: RPES0536

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: NP_031668.3

Protein Information:

Molecular Mass: 43.0 kDa

AP Molecular Mass: 60 kDa

Tag: C-Fc-6His

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

Reconstitution: Please refer to it for detailed information.

Application:

Synonyms: T-cell-specific surface glycoprotein CD28;CD28;CH2989K17.3

Immunogen Information:

Sequence: Asn20-Lys149

Background:

T-cell-specific surface glycoprotein CD28, contains an Ig-like V-type domain. CD28 is one of the proteins expressed on T cells that provide co-stimulatory signals, which are required for their activation. It is the receptor for CD80 and CD86. When activated by Toll-like receptor ligands, the CD80 expression is upregulated in antigen presenting cells (APCs). The CD86 expression on antigen presenting cells is constitutive. CD28 is the only B7 receptor constitutively expressed on naive T cells. It involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival.