

**Recombinant Human T-Cell Surface Glycoprotein CD8 beta Chain Protein**

**Cat.NO.: TP04883**

3th Edition

**Synonyms:**T-Cell Surface Glycoprotein CD8 Beta Chain; CD8b; CD8B; CD8B1

**Description:**T-Cell Surface Glycoprotein CD8 $\beta$  Chain (CD8 Antigen) is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. CD8 Antigen, acting as a coreceptor, and the T-cell receptor on the T lymphocyte recognize antigens displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. Multiple alternatively spliced transcript variants encoding distinct membrane associated or secreted isoforms have been described. A pseudogene, also located on chromosome 2, has been identified.

**Form:**PBS

**Molecular Weight:**17.8 kDa

**Sequences:**Leu22-Pro170

**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.