
Recombinant Human CD8 beta Protein (Fc Tag)**Cat.NO.: TP06878**

3th Edition

Synonyms:CD8B1; LEU2; LY3; LYT3; P37

Description:CD8B (CD8b molecule), also known as P37 and LEU2, contains 1 Ig-like V-type (immunoglobulin-like) domain. The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The 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. P37 gene encodes the CD8 beta chain isoforms. 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. CD8 is thought to play a role in the process of T-cell mediated killing.

Form:PBS**Molecular Weight:**44 kDa**Sequences:**Met 1-Pro 170**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.