

## Product datasheet for **TP727797**

### Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse CD6 antigen/CD6 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Leu18-Gly396
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse CD6 antigen is produced by our Mammalian expression system and the target gene encoding Leu18-Gly396 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Synonyms:	CD6 antigen; Cd6
Summary:	CD6 is a member of the group B scavenger receptor cysteine-rich (SRCR) superfamily. CD6 is a type I membrane glycoprotein and contains three extracellular SRCR domains. CD6 is expressed at low levels on immature thymocytes and at high levels on mature thymocytes. The majority of peripheral blood T cells, a subset of B cells, and a subset of neuronal cells express CD6. Mouse CD6 is a 626 amino acid (aa) protein with a 24 aa sequence, a 372 aa extracellular domain, and a 204 aa cytoplasmic region. The role of CD6 has not been fully elucidated. However, it appears to play a role as both a costimulatory molecule in T cell activation and as an adhesion receptor. CD6/ALCAM interactions have been postulated to play a role in thymocyte development. The CD6 intracellular domain contains regions that can interact with SH2 or SH3 containing proteins. However, the signaling pathways have not been elucidated.


[View online »](#)