

### 32-9596: Recombinant Mouse CD6 antigen/CD6 (C-6His)

**Alternative Name :** CD6 antigen; Cd6

#### Description

Source : Human Cells;

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.

#### Product Info

**Amount :** 500 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**Amino Acid :** 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.