

32-8892: Recombinant Mouse Platelet Receptor Gi24/VISTA/B7-H5 (C-6His)

Gene : Vsir
Gene ID : 74048
Uniprot ID : Q9D659

Description

Source: Human Cells.
MW :18.6kD.

Recombinant Mouse Platelet receptor Gi24 is produced by our Mammalian expression system and the target gene encoding Phe33-Ala191 is expressed fused with a 6His tag at the C-terminus. Mouse Platelet receptor Gi24(VISTA) is a transmembrane glycoprotein with homology to B7like immune costimulatory molecules. Mature mouse Gi24 contains a 159 amino acid (aa) extracellular domain (ECD) with one V-type Ig-like domain, a 21 aa transmembrane segment, and a 97 aa cytoplasmic domain. VISTA promotes both MT1-MMP expression and the MT1-MMP mediated activation of MMP-2. It supports the differentiation of embryonic stem cells (ESC) and enhances BMP-4 induced signaling in ESC, but it is also down-regulated following BMP-4 exposure. It binds to BMP-4 directly and also associates with the type I BMP receptor Activin RIB/ALK-4. It is expressed on the surface of na⁺ve CD4+ T cells and regulatory T cells. It is up-regulated in vivo on activated monocytes and dendritic cells. VISTA inhibits CD4+ and CD8+ T cell proliferation and their production of IL-2 and IFN- gamma . Its expression on tumor cells attenuates the antitumor immune response and enables more rapid tumor progression.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition : 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.
Amino Acid : FKVTTTPYSLYVCPGQNATLTCRILGPVSKGHDVTIYKTYLSSRGEVQMCKEHRPIRNFTLQHLQHGHSHLKA
NASHDQPQKHGLELASDHHGNFSITLRNVTPRDSGLYCLVIELKNHHPEQRFYGSMEQLVQAGKGGSGSTCM
ASNEQSDSITAHHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.