

32-8722: Recombinant Mouse Fc gamma RI/FCGR1A/CD64 (C-6His)

Gene : Fcgr1
Gene ID : 14129
Uniprot ID : P26151

Description

Source: Human Cells.

MW :31.5kD.

Recombinant Mouse Fc gamma RI is produced by our Mammalian expression system and the target gene encoding Glu25-Pro297 is expressed with a 6His tag at the C-terminus. CD64, also known as Fc-gamma receptor 1 (Fc gamma RI), is a type of integral membrane glycoprotein that binds monomeric IgG-type antibodies with high affinity. After binding IgG, CD64 interacts with an accessory chain known as the common gamma chain (gamma chain), which possesses an ITAM motif that is necessary for triggering cellular activation. CD64 is composed of a signal peptide, three extracellular immunoglobulin domains of the C2-type used to bind antibody, a hydrophobic transmembrane domain, and a short cytoplasmic tail. CD64 mediates endocytosis, phagocytosis, antibody-dependent cellular cytotoxicity, cytokine release, and superoxide production. It is normally expressed on the surfaces of monocytes and macrophages.

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 : EVVNATKAVITLQPPWVSIFQKENVTWLWCEGPHLPGDSSTQWFINGTAVQISTPSYSIPEASFQDSGEYRCQIGS
SMPSPDPVQLQIHNDWLLQASRRVLTEGEPLALRCHGWKNKLVYNVVFYRNGKSFQFSSDSEVAILKTNLSHS
GIYHCSGTGRHRYTSAGVSITVKELFTTPVLRASVSPFPEGSLVTLNCETNLLLQRPGLQLHFSFYVGSKILEYR
NTSSEYHIARAEREDAGFYWCEVATEDSSVLKRSPELELQVLGPQSSAPVDHHHHHH

Application Note

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