Human CD32a / FCGR2A Protein (167 Arg, Fc Tag)

Catalog Number: 10374-H02H

**General Information**

**Gene Name Synonym:**
CD32; CD32A; CDw32; Fc gamma RIIA; FCG2; FcGR; FCGR2; FCGR2A1; IGFR2

**Protein Construction:**
A DNA sequence encoding the extracellular domain (Met 1-Ile 218) of human CD32a (AAA35827.1) was fused with the Fc region of human IgG1 at the C-terminus. It is identical to FCGR2A131H/R in the reference.

**Source:** Human

**Expression Host:** HEK293 Cells

**QC Testing**

**Purity:** > 90 % as determined by SDS-PAGE

**Bio Activity:**
Measured by its binding ability in a functional ELISA. Immobilized human CD32a-Fc (Cat:10374-H02H) at 10 μg/ml (100 μl/well) can bind biotinylated human IgG1 with a linear range of 0.625-10 μg/ml.

**Endotoxin:**
< 1.0 EU per μg of the protein as determined by the LAL method

**Stability:**
Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** Gln 34

**Molecular Mass:**
The recombinant human CD32a/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 426 amino acids and predicts a molecular mass of 47.3 kDa. As a result of glycosylation, the apparent molecular mass of rh CD32a/Fc monomer is approximately 55 kDa in SDS-PAGE under reducing conditions.

**Formulation:**
Lyophilized from sterile PBS, pH 7.5

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

**Usage Guide**

**Storage:**
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

**Reconstitution:**
Detailed reconstitution instructions are sent along with the products.