Data Sheet (Cat.No.TMPJ-00063)

CD160 Protein, Human, Recombinant (hFc)

General Information

Synonyms: CD160 Antigen;CD160;BY55;Natural Killer Cell Receptor BY55

Protein Construction: Ile27-Ser159

Species: Human

Expression Host: HEK293 Cells

Accession: O95971

Molecular Weight: ~50 KDa (reducing condition)

AA Sequence: Ile27-Ser159

QC Testing

Biological Activity: Immobilized CD160 Protein, Human, Recombinant (hFc) at 1.0 μg/ml (100 μl/well) can bind HVEM-Fc, Human-Biotin with a liner range of 0.617-50.0 μg/ml when detected by SA-HRP.

Purity: Greater than 95% as determined by reducing SDS-PAGE. (QC verified)

Endotoxin: < 0.1 ng/μg (1 EU/μg) as determined by LAL test.

Formulation: Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

CD160 antigen is a Lipid-anchor that exists as a disulfide-linked homomultimer. CD160 contains one Ig-like V-type domain. The human CD160 precursor is a cysteine-rich, glycosylphosphatidylinositol-anchored protein of 181 amino acids with a single Ig-like domain. It is weakly homologous to KIR2DL4. CD160 is expressed in the spleen, peripheral blood, and small intestine. Its expression is tightly associated with peripheral blood NK cells and CD8 T lymphocytes with cytolytic effector activity. CD160 is a receptor showing broad specificity for both classical and

non-classical MHC class I molecules.

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