



Recombinant Protein Technical Manual

Recombinant Human CEACAM3/CD66d Protein (His Tag)

RPES0296

Product Data:

Product SKU: RPES0296

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P40198

Protein Information:

Molecular Mass: 14.1 kDa

AP Molecular Mass: 18-20 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Carcinoembryonic Antigen-Related Cell Adhesion Molecule 3; Carcinoembryonic Antigen CGM1; CD66d; CEACAM3; CD66D;CEA;MGC119875;W264;W282

Immunogen Information:

Sequence: Lys35-Gly155

Background:

Carcinoembryonic Antigen-Related Cell Adhesion Molecule 3 (CEACAM3) belongs to the immunoglobulin superfamily and CEA family. CEACAM3 was originally described in bile ducts of liver as biliary glycoprotein. Subsequently, it was found to be a cell-cell adhesion molecule detected on leukocytes, epithelia, and endothelia. CEACAM3 mediates cell adhesion via homophilic as well as heterophilic binding to other proteins of the subgroup. In addition, it is associated with the differentiation and arrangement of tissue three-dimensional structure, angiogenesis, apoptosis, tumor suppression, metastasis, and the modulation of innate and adaptive immune responses.