



Recombinant Protein Technical Manual
Recombinant Human TCbIR/8D6A Protein (Fc Tag)
RPES1155

Product Data:

Product SKU: RPES1155

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9NPF0

Protein Information:

Molecular Mass: 47.3 kDa

AP Molecular Mass: 60-80&130 kDa

Tag: C-Fc

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 Tris,150mM NaCl, pH 8.0.

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

Application:

Synonyms: CD320 antigen;8D6 antigen;FDC-signaling molecule 8D6;FDC-SM-8D6;Transcobalamin receptor;TCbIR;CD320

Immunogen Information:

Sequence: Ser36-Val231

Background:

CD320 antigen is also known as 8D6 antigen, FDC-signaling molecule 8D6, Transcobalamin receptor and 8D6A. It is a single-pass type I membrane protein and containing two LDL-receptor class A domains. CD320 has been recently discovered and reported as a follicular dendritic cell (FDC) protein. CD320 can augments the proliferation of plasma cells precursors generated by IL0. CD320 also functions a receptor for the cellular uptake of transcobalamin bound cobalamin. Defects in CD320 are the cause of methylmalonic aciduria type TCbIR (MMATC) which is a metabolic disorder.