



Recombinant Protein Technical Manual

Recombinant Human ICOS Ligand/ICOSL Protein (His Tag)

RPES2030

Product Data:

Product SKU: RPES2030

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: O75144

Protein Information:

Molecular Mass: 27.72 kDa

AP Molecular Mass: 54 kDa

Tag: C-His

Bio-activity:

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

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

Storage: 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.

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: ICOS Ligand; B7 Homolog 2; B7-H2; B7-Like Protein GI50; B7-Related Protein 1; B7RP; CD275; ICOSLG; B7H2; B7RP1; ICOSL; KIAA0653

Immunogen Information:

Sequence: Asp19-Ser258

Background:

Inducible Co-Stimulator Ligand (ICOSLG) belongs to the immunoglobulin superfamily. ICOSLG contains Ig-like C2-type (immunoglobulin-like) domain and 1 Ig-like V-type (immunoglobulin-like) domain. ICOSLG acts as a costimulatory signal for T-cell proliferation and cytokine secretion, it also induces B-cell proliferation and differentiation into plasma cells. It could play an important role in mediating local tissue responses to inflammatory conditions, as well as in modulating the secondary immune response by co-stimulating memory T-cell function. ICOSLG is widely expressed lymph nodes, leukocytes and spleen, detected on activated monocytes and dendritic cells.