

CD275 (B7-H2, B7-RP1, ICOSL) recombinant protein

CatalogNo: YD3018

Key Features

Reactivity

- Human

Storage

Storage* -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

Formulation Phosphate-buffered solution

Recommended Dilution Ratios

Basic Information

Source Mammalian cells

Purification Mammalian cells

Purity >90% as determined by SDS-PAGE

Immunogen Information

Sequence Amino acid:19-256,with human FC tag.

Target Information

Gene name ICOSLG

Protein Name ICOS ligand (B7 homolog 2) (B7-H2) (B7-like protein GI50) (B7-related protein 1) (B7RP-1) (CD antigen CD275)

Organism

Human

Gene ID

[102723996](#);

UniProt ID

[O75144](#);

Cellular Localization

Cell membrane ; Single-pass type I membrane protein .

Tissue specificity

Isoform 1 is widely expressed (brain, heart, kidney, liver, lung, pancreas, placenta, skeletal muscle, bone marrow, colon, ovary, prostate, testis, lymph nodes, leukocytes, spleen, thymus and tonsil), while isoform 2 is detected only in lymph nodes, leukocytes and spleen. Expressed on activated monocytes and dendritic cells.

Function

Ligand for the T-cell-specific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells. 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 (By similarity).

| Validation Data

| Contact information

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CD275 (B7-H2, B7-RP1, ICOSL) recombinant protein

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