

B7-H2/ICOSLG Protein, Human (HEK293, His-Avi)

Cat. No.:	HY-P78392
Synonyms:	CD275; B7H2; B7-H2; B7RP-1; GL50; ICOSL; ICOS-L; ICOSLG; B7RP1; LICOS; ICOS ligand; B7-H2B7-related protein 1; B7RP-1; B7RP1B7-like protein GL50
Species:	Human
Source:	HEK293
Accession:	O75144 (D19-S258)
Gene ID:	23308
Molecular Weight:	55-70 kDa

PROPERTIES

Biological Activity	Immobilized Human B7-H2, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human ICOS, hFc Tag with the EC ₅₀ of 23.6ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	B7-H2/ICOSLG protein serves as a ligand for the T-cell-specific cell surface receptor ICOS, functioning as a critical costimulatory signal for T-cell proliferation and cytokine secretion. Additionally, it induces B-cell proliferation and facilitates their differentiation into plasma cells. This protein is poised to play a significant 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. In molecular interactions, B7-H2/ICOSLG has been shown to interact with CTLA4 in vitro.
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Caution: Product has not been fully validated for medical applications. For research use only.

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