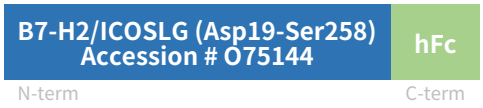
Rev04
Update: Mar,01,2022

DATASHEET

B7-H2/ICOSLG Fc Chimera, Human

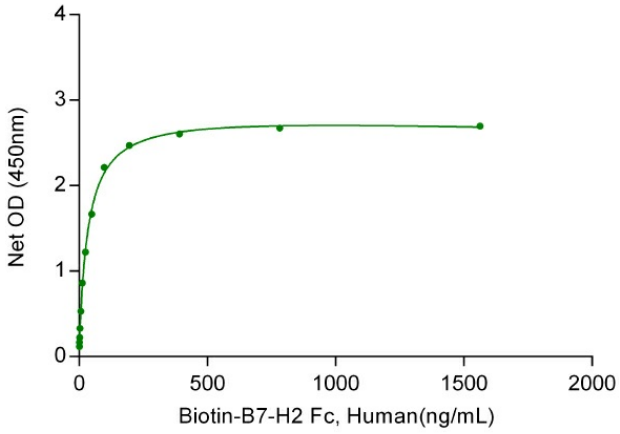
Cat. No.: Z03414

Product Introduction

Species	Human
Protein Construction	
Purity	> 97% as analyzed by SDS-PAGE
Endotoxin Level	< 0.2 EU/μg of protein by gel clotting method
Biological Activity	Immobilized ICOS, hFc, Human (Cat. No.: Z03412) at 5.0 μg/ml (100 μl/well) can bind biotinylated B7-H2/ICOSLG, hFc, Human when detected by Streptavidin-HRP second antibody.
Expression System	HEK 293
Apparent Molecular Weight	70~80 kDa, on SDS-PAGE under reducing conditions.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS, 5% trehalose and mannitol.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O or PBS up to 100 μg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Examples

GenScript USA, Inc.
860 Centennial Ave. Piscataway, NJ 08854
Tel: 1-732-885-9188



Immobilized ICOS Fc Chimera, Human(Cat:Z03412) at 5 μg/mL (100 μL/well) can bind Biotin-B7-H2/ICOSLG Fc Chimera, Human with a linear range of 0.76-12.21ng/mL.

Background

Target Background : B7-H2, best known as the ligand of inducible co-stimulator, belongs to B7-CD28 family. B7-H2 is a transmembrane glycoprotein of approximately 60 kDa and is expressed on antigen presenting cells such as B cells, macrophages, dendritic cells, and also in monocytes. It’ s a ligand for CD28 and CTLA-4 in human, whereas these interactions are not conserved in mouse. B7-H2 and B7-1 or B7-2 interacts with CD28 through distinctive domains. B7-H2-CD28 interaction is essential for the co-stimulation of human T cells' primary responses to allogeneic antigens and memory recall responses.Recombinant Human B7-H2 Fc Chimera produced in HEK293 cells. It’ s a polypeptide chain containing 473 amino acids with the C-termimal human IgG1 Fc fragment. A fully biologically active molecule, rhB7-H2 has a molecular mass of 70-80 kDa, analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.

Synonyms : ICOSLG; B7-H2; B7H2; B7RP-1; B7RP1; CD275; GL50; ICOS-L; ICOSL; LICOS; ICOS ligand

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.