

For Research Use Only

Recombinant Human CTLA-4 protein (hFc Tag)



Catalog Number: Eg1004

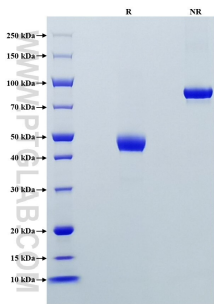
Basic Information	Species: Human EC50: 5-22 ng/mL	Purity: >95 %, SDS-PAGE	Tag: hFc Tag
Technical Specifications	Purity: >95 %, SDS-PAGE Endotoxin Level: <0.1 EU/µg protein, LAL method Source: HEK293-derived Human CTLA-4 protein Lys36-Asp161 (Accession# P16410) with a human IgG1 Fc tag at the C-terminus. GeneID: 1493 Accession: P16410 Predicted Molecular Mass: 39.5 kDa SDS-PAGE: 42-50 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Immobilized Human CD86 (Myc tag, His tag) at 0.5 µg/mL (100 µL/well) can bind Human CTLA-4 (hFc tag) with a linear range of 5-22 ng/mL.		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	CTLA-4, also known as CD152, belonging to the immunoglobulin superfamily, is primarily found on activated T cells and regulatory T cells (Tregs). CTLA-4 is closely related to the T-cell costimulatory CD28, and both molecules bind to B7-1 and B7-2 on antigen-presenting cells. CTLA-4 acts as a negative regulatory molecule of T-cell responses. Besides the full-length transmembrane form, CTLA-4 also exists in a truncated soluble form (sCTLA-4).		
References	1. Brunet JF, et al. (1987) Nature. 328(6127):267-70. 2. Harper K, et al. (1991) J Immunol. 147(3):1037-44. 3. McCoy KD, et al. (1999) Immunol Cell Biol. 77(1):1-10. 4. Oaks MK, et al. (2000) Cell Immunol. 201(2):144-53.		
Synonyms	CTLA4, CD152, CELIAC3, CTLA 4, Cytotoxic T-lymphocyte protein 4		

For technical support and original validation data for this product please contact

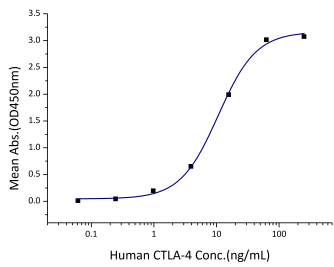
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Selected Validation Data



Purity of Recombinant Human CTLA-4 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



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