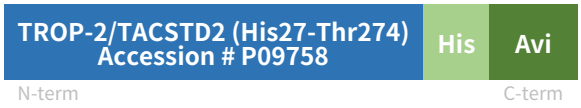
Rev05
Update: Aug,20,2025

DATASHEET

TROP-2/TACSTD2[Biotin], His & Avi, Human

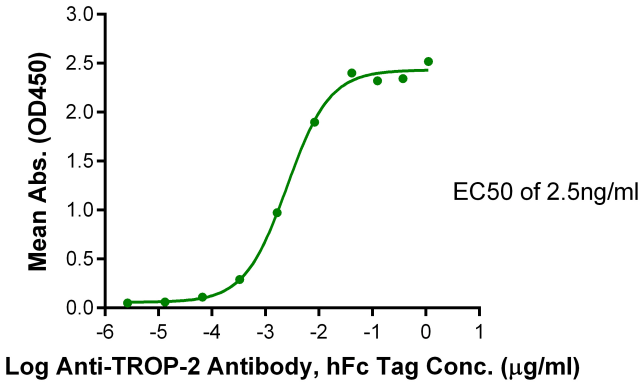
Cat. No.: Z03841

Product Introduction

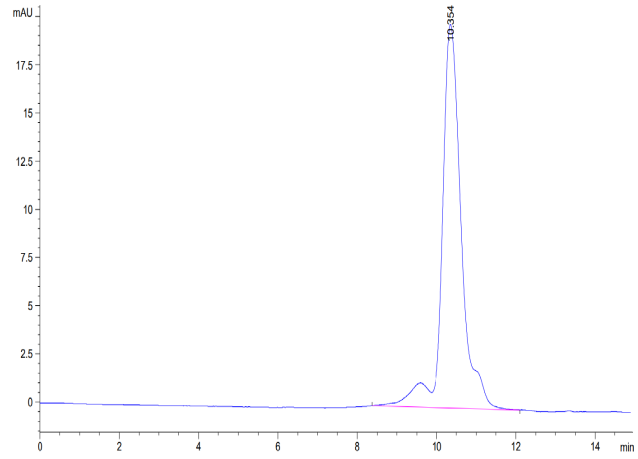
Species	Human
Protein Construction	
Conjugate	Biotin
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per μg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA.Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	30.5 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 46-55 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from a 0.22 μm filtered solution in PBS, pH 7.4.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable for 6 months at -20°C or below. Upon reconstitution, the product should be stable for 3 months at -80°C. Avoid repeated freeze-thaw cycles.

Examples

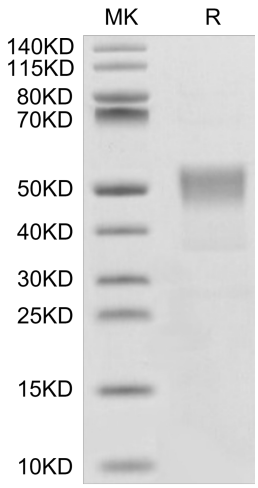
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860 Centennial Ave. Piscataway, NJ 08854
Tel: 1-732-885-9188



Immobilized TROP-2/TACSTD2[Biotin], His & Avi, Human, His Tag at 0.5 μg/ml (100 μl/well) on the streptavidin precoated plate(5 μg/ml). Dose response curve for Anti-TROP-2 Antibody, hFc Tag with the EC50 of 2.5 ng/ml determined by ELISA.



The purity of TROP-2/TACSTD2[Biotin], His & Avi, Human is greater than 95% as determined by SEC-HPLC.



TROP-2/TACSTD2[Biotin], His & Avi, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

Background

Target Background : Trop-2 (Tumor-associated calcium signal transducer 2) is also known as epithelial glycoprotein-1 antigen (EGP-1). It is encoded by the TACSTD2 gene. The mutations of Trop-2 gene cause an autosomal recessive disorder. Trop-2 causes cancer cell growth, proliferation, invasion, migration, and survival of cancer cells

Synonyms : EGP1; EGP-1; TROP2; GA733-1; gp50; T16; TACSTD2; TROP-2; M1S1; TACD2

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

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China