10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# TROP-2/TACSTD2

Catalog # PVGS1718

## Product Information

| | |
|---|---|
| **Primary Accession** | P09758 |
| **Species** | Human |
| **Sequence** | His27-Thr274 |
| **Purity** | > 95% as determined by Bis-Tris PAGE<br>> 95% as determined by HPLC |
| **Endotoxin Level** | Less than 1EU per □g by the LAL method. |
| **Biological Activity** | Immobilized TROP-2/TACSTD2 hFc Chimera, Human (Cat.No.: Z03840) at 1 □g/ml (100 □l/Well) on the plate can bind Biotinylated Anti-TROP-2 Antibody. |
| **Expression System** | HEK293 |
| **Theoretical Molecular Weight** | 54.6 kDa |
| **Formulation** | Lyophilized from a 0.22 □m filtered solution in PBS, pH 7.4. |
| **Reconstitution** | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 □g/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| **Storage & Stability** | Upon receiving, the product remains stable up to 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. |

## Additional Information

| | |
|---|---|
| **Gene ID** | 4070 |
| **Other Names** | Tumor-associated calcium signal transducer 2, Cell surface glycoprotein Trop-2, Membrane component chromosome 1 surface marker 1, Pancreatic carcinoma marker protein GA733-1, TACSTD2, GA733-1, M1S1, TROP2 |
| **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 |

## Protein Information

| | |
|---|---|
| **Name** | TACSTD2 |
| **Synonyms** | GA733-1, M1S1, TROP2 |
| **Function** | May function as a growth factor receptor. |
| **Cellular Location** | Membrane; Single-pass type I membrane protein. |
| **Tissue Location** | Placenta, pancreatic carcinoma cell lines. |