InnoCyto Inc.
15375 Barranca Pkwy, Suite I-103
Irvine, CA 92618

Technical Data Sheet

PE Conjugated Human Trop1/EpCAM Protein (C-Fc)

Catalog Number: 806801, 806802
Size: 25 ug, 100 ug
Target Name: EPCAM, TROP1, TACSTD1, CD326, DIAR5, EGP2, EGP314, EGP40, ESA, GA733-2, HNPCC8, HNPCC-8, KS1, 4, KSA, M4S1, MIC18, MK1
Regulatory Status: RUO

Product Details

Application: FC
Format: Liquid, PE
Expression Host: CHO
Species: Human
Sources: Recombinant Human Trop1 (Gln24-Lys265) with C-terminus Fc tag is expressed in CHO cell and conjugated to PE.
Accession Number: P16422
Molecular Weight: The protein has a predicted molecular weight of 53.5 kDa. Under DTT-reducing conditions, it migrates at approximately 60-65 kDa on SDS-PAGE prior to conjugation.
Affinity Tag: C-Fc
Formulation: 1xPBS buffer, pH7.4, 0.09% NaN3 with a carrier protein
Endotoxin level: Not tested
Protein Concentration: 25μg size is bottled at 0.1mg/mL concentration. 100 μg size is bottled at lot specific concentration.
Storage and Handling: Briefly centrifuge the vial upon receipt. An unopened vial may be stored at 2–8°C for up to six months.

Background Information

Ep-CAM, also known as tumor-associated calcium signal transducer 1, epithelial cell surface antigen, epithelial glycoprotein 2 (EGP2), adenocarcinoma-associated antigen, and TROP1, is a 40 kD glycosylated type I transmembrane protein containing six disulfide bridges and one THYRO domain. It is highly expressed on normal epithelial cells, including those in bone marrow, colon, and lung, and is also found on carcinomas, particularly those of gastrointestinal origin. Recent studies have shown that Ep-CAM expression occurs during early erythrogenesis. As a homotypic calcium-independent cell adhesion molecule, it plays a role in carcinogenesis by inducing genes involved in cellular metabolism and proliferation. Ep-CAM has been identified as a potential immunotherapeutic target for the treatment of human carcinomas.