

Anti-TROP2 Reference Antibody (sacituzumab)

Recombinant Antibody Catalog # APR10216

Specification

Anti-TROP2 Reference Antibody (sacituzumab) - Product Information

Application FC, Kinetics, Animal Model

Primary Accession
Reactivity
Human
Clonality
Monoclonal
Isotype

Calculated MW 145.52 KDa

Anti-TROP2 Reference Antibody (sacituzumab) - Additional Information

Target/Specificity

TROP2

Endotoxin

 $< 0.001EU/ \mu g$, determined by LAL method.

Conjugation Unconjugated

Expression system

CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Anti-TROP2 Reference Antibody (sacituzumab) - 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.

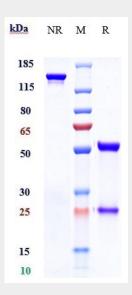


Anti-TROP2 Reference Antibody (sacituzumab) - Protocols

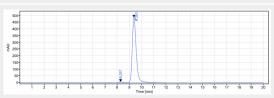
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Anti-TROP2 Reference Antibody (sacituzumab) - Images

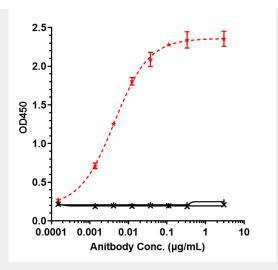


Anti-TROP2 Reference Antibody (sacituzumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

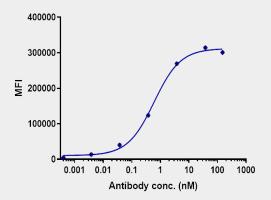


The purity of Anti-TROP2 Reference Antibody (sacituzumab)is more than 96.23% ,determined by SEC-HPLC.

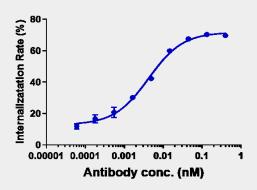




Immobilized human TROP2 His at 2 μg/mL can bind Anti-TROP2 Reference Antibody (sacituzumab) [EC50=0.004316 μg/mL



Human TROP2 HEK293 cells were stained with Anti-TROP2 Reference Antibody (sacituzumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC276=0.4071 μ g/mL



The endocytosis ratio sacituzumab by human TROP2 HEK293 increased with the increase of antibody concentration, and the Internalization Rate (%) reached 70% at antibody concentration of 0.4 nM.