

**Anti-TIGIT Reference Antibody (tiragolumab)  
Recombinant Antibody  
Catalog # APR10059****Specification**

---

**Anti-TIGIT Reference Antibody (tiragolumab) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">Q495A1</a>
Reactivity	Cynomolgus, Human, Rabbit
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	148.66 KDa

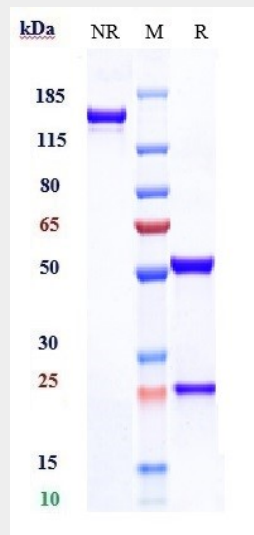
**Anti-TIGIT Reference Antibody (tiragolumab) - Additional Information****Target/Specificity**  
TIGIT**Endotoxin**  
< 0.001EU/ µg,determined by LAL method.**Conjugation**  
Unconjugated**Expression system**  
CHO Cell**Format**  
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.**Anti-TIGIT Reference Antibody (tiragolumab) - Protein Information****Name** TIGIT**Synonyms** VSIG9, VSTM3**Function**  
Binds with high affinity to the poliovirus receptor (PVR) which causes increased secretion of IL10 and decreased secretion of IL12B and suppresses T-cell activation by promoting the generation of mature immunoregulatory dendritic cells.**Cellular Location**  
Cell membrane; Single-pass type I membrane protein**Tissue Location**  
Expressed at low levels on peripheral memory and regulatory CD4+ T-cells and NK cells and is up-regulated following activation of these cells (at protein level)

## Anti-TIGIT Reference Antibody (tiragolumab) - Protocols

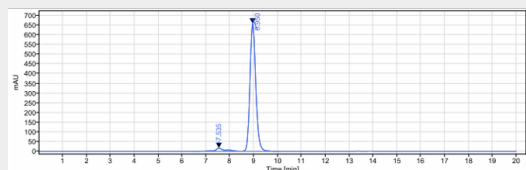
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

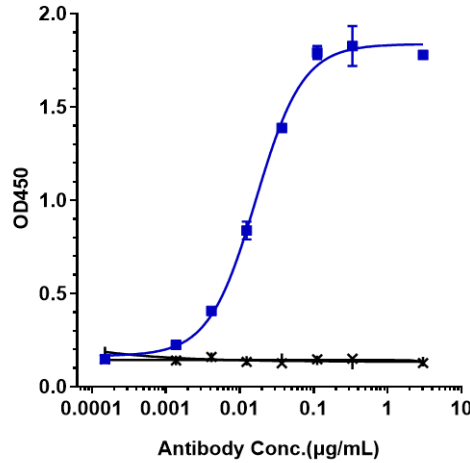
## Anti-TIGIT Reference Antibody (tiragolumab) - Images



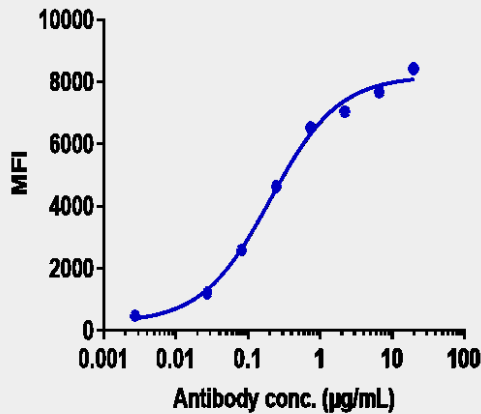
Anti-TIGIT Reference Antibody (tiragolumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



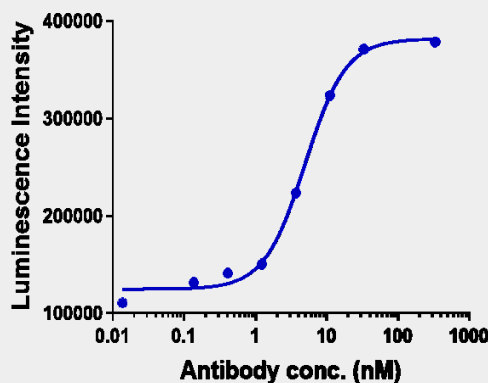
The purity of Anti-TIGIT Reference Antibody (tiragolumab) is more than 95.79%, determined by SEC-HPLC.



Immobilized human TIGIT His at 2 µg/mL can bind Anti-TIGIT Reference Antibody (tiragolumab) EC<sub>50</sub>=0.01643 µg/mL



Human TIGIT HEK293 cells were stained with Anti-TIGIT Reference Antibody (tiragolumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC<sub>111</sub>=0.2053 µg/mL



Anti-TIGIT Reference Antibody (tiragolumab)-induced TIGIT Luciferase activity was evaluated using hu-TIGIT-CD226-NFAT-Jurkat, Reporter Cell. The EC<sub>50</sub> was approximately 4.978nM.