

**Anti-TNFRSF9 / 4-1BB / CD137 Reference Antibody (utomilumab)
Recombinant Antibody
Catalog # APR10185**

Specification

Anti-TNFRSF9 / 4-1BB / CD137 Reference Antibody (utomilumab) - Product Information

Application	FC, E, FTA
Primary Accession	Q07011
Reactivity	Cynomolgus, Human
Clonality	Monoclonal
Isotype	IgG2SA
Calculated MW	142.78 KDa

Anti-TNFRSF9 / 4-1BB / CD137 Reference Antibody (utomilumab) - Additional Information

Target/Specificity
TNFRSF9 / 4-1BB / CD137

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.

Storage
-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □Avoid repeated freeze-thaw cycles.

Anti-TNFRSF9 / 4-1BB / CD137 Reference Antibody (utomilumab) - Protein Information

Name TNFRSF9

Synonyms CD137, ILA

Function
Receptor for TNFSF9/4-1BBL. Conveys a signal that enhances CD8(+) T-cell survival, cytotoxicity, and mitochondrial activity, thereby promoting immunity against viruses and tumors (Probable).

Cellular Location
Cell membrane; Single-pass type I membrane protein

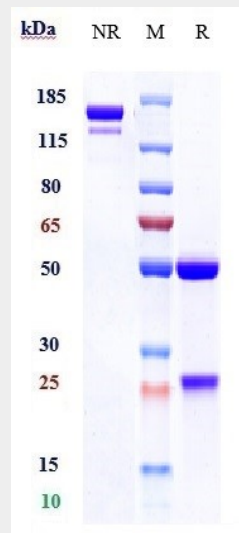
Tissue Location

Expressed on the surface of activated T-cells.

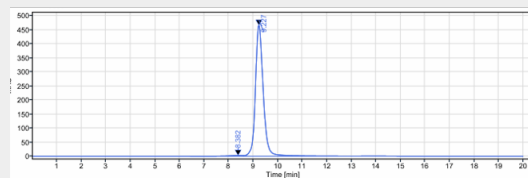
Anti-TNFRSF9 / 4-1BB / CD137 Reference Antibody (utomilumab) - Protocols

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

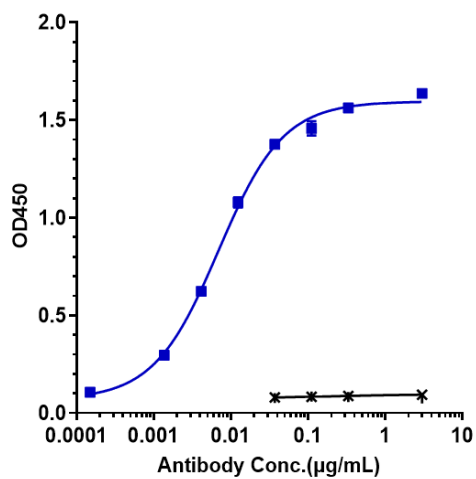
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

Anti-TNFRSF9 / 4-1BB / CD137 Reference Antibody (utomilumab) - Images

Anti-TNFRSF9 / 4-1BB / CD137 Reference Antibody (utomilumab) 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-TNFRSF9 / 4-1BB / CD137 Reference Antibody (utomilumab) is more than 98.78% ,determined by SEC-HPLC.



Immobilized human TNFRSF9 / 4 1BB / CD137, His Tag at 2 µg/mL can bind Anti-TNFRSF9 / 4-1BB / CD137 Reference Antibody (utomilumab) $EC_{50}=0.006915$ µg/mL