

**Anti-TNFRSF9 / 4-1BB / CD137 Reference Antibody (urelumab)
Recombinant Antibody
Catalog # APR10237****Specification**

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

Application	FC, Kinetics, Animal Model
Primary Accession	Q07011
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG4
Calculated MW	145.82 KDa

Anti-TNFRSF9 / 4-1BB / CD137 Reference Antibody (urelumab) - 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.

Anti-TNFRSF9 / 4-1BB / CD137 Reference Antibody (urelumab) - 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).

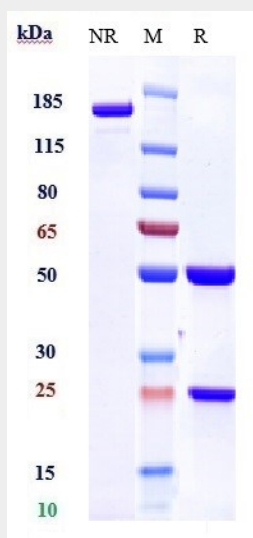
Cellular Location
Cell membrane; Single-pass type I membrane protein

Tissue Location
Expressed on the surface of activated T-cells.

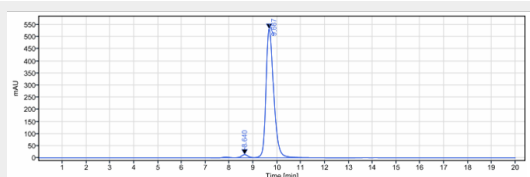
Anti-TNFRSF9 / 4-1BB / CD137 Reference Antibody (urelumab) - Protocols

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

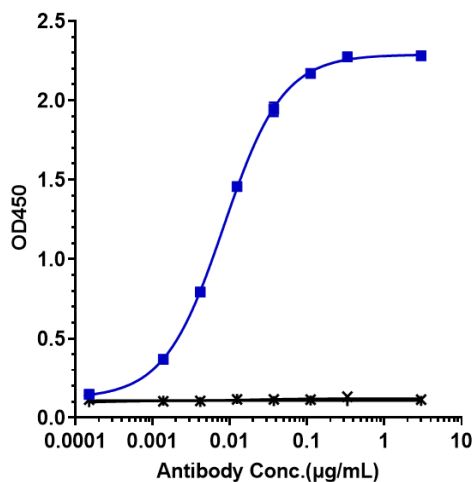
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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

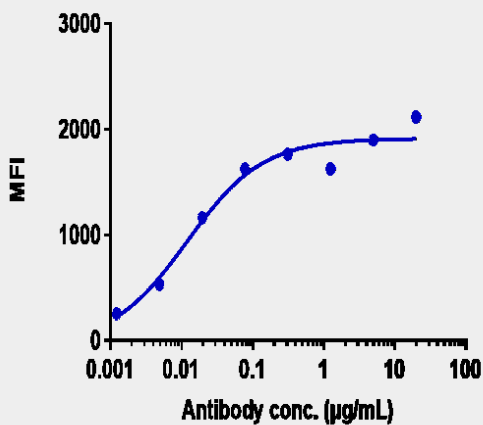
Anti-TNFRSF9 / 4-1BB / CD137 Reference Antibody (urelumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-TNFRSF9 / 4-1BB / CD137 Reference Antibody (urelumab) is more than 97.3%, determined by SEC-HPLC.



Immobilized N His HSA TNFSF9/4 1BB at 2 µg/mL can bind Anti-TNFRSF9 / 4-1BB / CD137 Reference Antibody (urelumab) $EC_{50}=0.008304$ µg/mL



4-1BB-NF-κB-Jurkat cells were stained with Anti-TNFRSF9 / 4-1BB / CD137 Reference Antibody (urelumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, $EC_{297}=0.012$ µg/mL