

Anti-CTLA-4 / CD152 Reference Antibody (Antitope patent anti-CTLA4)

Recombinant Antibody
Catalog # APR10018

Product Information

| | |
|--------------------------|----------------------------|
| Application | FC, Kinetics, Animal Model |
| Primary Accession | P16410 |
| Reactivity | Human |
| Clonality | Monoclonal |
| Isotype | IgG1 |
| Calculated MW | 24656 |

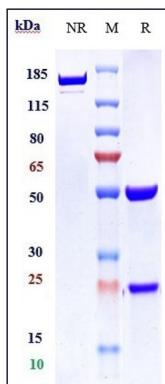
Additional Information

| | |
|---------------------------|--|
| Target/Specificity | CTLA-4 / CD152 |
| Endotoxin | |
| 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. |

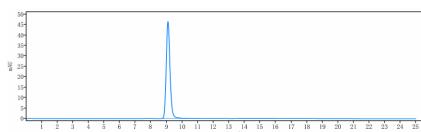
Protein Information

| | |
|--------------------------|---|
| Name | CTLA4 |
| Synonyms | CD152 |
| Function | Inhibitory receptor acting as a major negative regulator of T-cell responses (PubMed: 11279501 , PubMed: 11279502 , PubMed: 16551244 , PubMed: 1714933 , PubMed: 18641304 , PubMed: 28484017). Acts as a decoy receptor: the affinity of CTLA4 for its natural B7 family ligands, CD80 and CD86, is considerably stronger than the affinity of their cognate stimulatory coreceptor CD28 (PubMed: 11279501 , PubMed: 11279502 , PubMed: 16551244 , PubMed: 1714933 , PubMed: 28484017). |
| Cellular Location | Cell membrane; Single-pass type I membrane protein. Note=Exists primarily an intracellular antigen whose surface expression is tightly regulated by restricted trafficking to the cell surface and rapid internalization |
| Tissue Location | Widely expressed with highest levels in lymphoid tissues. Detected in activated T-cells where expression levels are 30- to 50-fold less than CD28, the stimulatory coreceptor, on the cell surface following activation. |

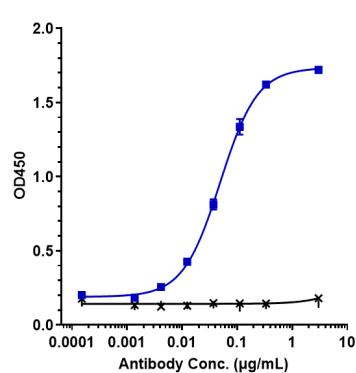
Images



Anti-CTLA-4 / CD152 Reference Antibody (Antitope patent anti-CTLA4) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-CTLA-4 / CD152 Reference Antibody (Antitope patent anti-CTLA4) is more than 95%, determined by SEC-HPLC.



Immobilized human CTLA 4 His at 2 μg/mL can bind Anti-CTLA-4 / CD152 Reference Antibody (Antitope patent anti-CTLA4), EC50=0.04907 μg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.