

Anti-PTPRC / CD45 Reference Antibody (apamistamab)

Recombinant Antibody Catalog # APR10656

Specification

Anti-PTPRC / CD45 Reference Antibody (apamistamab) - Product Information

Application FC, E, FTA
Primary Accession P08575
Reactivity Human
Clonality Monoclonal
Isotype IgG1
Calculated MW 146.52 KDa

Anti-PTPRC / CD45 Reference Antibody (apamistamab) - Additional Information

Target/Specificity PTPRC / CD45

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-PTPRC / CD45 Reference Antibody (apamistamab) - Protein Information

Name PTPRC (HGNC:9666)

Synonyms CD45

Function

Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor (PubMed:35767951). Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN. Dephosphorylates LYN, and thereby modulates LYN activity (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Membrane raft. Synapse. Note=Colocalized with DPP4 in membrane rafts.



Tissue Location

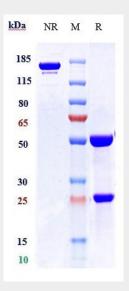
Isoform 1: Detected in thymocytes. Isoform 2: Detected in thymocytes. Isoform 3: Detected in thymocytes. Isoform 4: Not detected in thymocytes. Isoform 5: Detected in thymocytes. Isoform 6: Not detected in thymocytes. Isoform 7: Detected in thymocytes Isoform 8: Not detected in thymocytes.

Anti-PTPRC / CD45 Reference Antibody (apamistamab) - Protocols

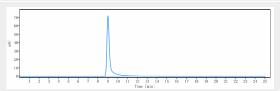
Provided below are standard protocols that you may find useful for product applications.

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

Anti-PTPRC / CD45 Reference Antibody (apamistamab) - Images



Anti-PTPRC / CD45 Reference Antibody (apamistamab) 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-PTPRC / CD45 Reference Antibody (apamistamab)is more than 99.81% , determined by SEC-HPLC.