

**Anti-CD7 Reference Antibody (Persongen patent anti-CD7)  
Recombinant Antibody  
Catalog # APR10817****Specification**

---

**Anti-CD7 Reference Antibody (Persongen patent anti-CD7) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">P09564</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	150 KDa

**Anti-CD7 Reference Antibody (Persongen patent anti-CD7) - Additional Information****Target/Specificity**  
CD7**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-CD7 Reference Antibody (Persongen patent anti-CD7) - Protein Information****Name** CD7**Function**  
Transmembrane glycoprotein expressed by T-cells and natural killer (NK) cells and their precursors (PubMed:<a href="http://www.uniprot.org/citations/7506726" target="\_blank">7506726</a>). Plays a costimulatory role in T-cell activation upon binding to its ligand K12/SECTM1 (PubMed:<a href="http://www.uniprot.org/citations/10652336" target="\_blank">10652336</a>). In turn, mediates the production of cytokines such as IL-2 (PubMed:<a href="http://www.uniprot.org/citations/1709867" target="\_blank">1709867</a>). On resting NK-cells, CD7 activation results in a significant induction of interferon-gamma levels (PubMed:<a href="http://www.uniprot.org/citations/7506726" target="\_blank">7506726</a>).**Cellular Location**  
Membrane; Single-pass type I membrane protein.

### Tissue Location

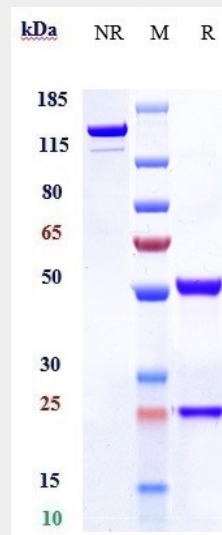
Expressed on T-cells and natural killer (NK) cells and their precursors.

### Anti-CD7 Reference Antibody (Persongen patent anti-CD7) - Protocols

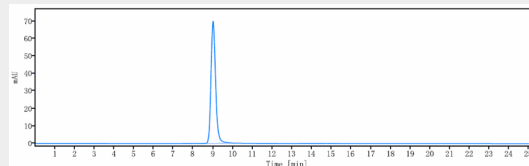
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-CD7 Reference Antibody (Persongen patent anti-CD7) - Images



Anti-CD7 Reference Antibody (Persongen patent anti-CD7) 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-CD7 Reference Antibody (Persongen patent anti-CD7) is more than 95%, determined by SEC-HPLC.