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CD7

Catalog # PVGS1878

Product Information

Primary Accession	P50283
Species	Mouse
Sequence	Gln24-Pro150
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per μg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	41 kDa
Formulation **Reconstitution**	Lyophilized from a 0.22 μm filtered solution in PBS，(pH 7.4). Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Additional Information

Gene ID	12516
Other Names	T-cell antigen CD7, CD7, Cd7
Target Background	CD7, also known as Leu-9, is an approximately 40 kDa glycosylated and palmitoylated transmembrane protein in the immunoglobulin superfamily.CD7 is expressed on T cells, NK cells , myeloid progenitor cells, and CD19 B progenitor cells. Among CD8 T cells, the CD7-bright population preferentially contains naïve and memory cells, while more weak expressors are primarily effector cells.

Protein Information

Name	Cd7
Function	Transmembrane glycoprotein expressed by T-cells and natural killer (NK) cells and their precursors. Plays a costimulatory role in T-cell activation upon

binding to its ligand K12/SECTM1. In turn, mediates the production of cytokines such as IL-2. On resting NK-cells, CD7 activation results in a significant induction of gamma-interferon levels.

Cellular Location Membrane; Single-pass type I membrane protein.

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