

# CD7

Catalog # PVGS1863

## Product Information

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| <b>Primary Accession Species</b>      | <a href="#">XP_005585387.1</a><br>Cynomolgus  |
| <b>Sequence</b>                       | Ala26-Pro180  |
| <b>Purity</b>                         | > 95% as determined by Bis-Tris PAGE<br>> 95% as determined by HPLC   |
| <b>Endotoxin Level</b>                | Less than 1EU per $\mu$ g by the LAL method.  |
| <b>Biological Activity</b>            | Measured by its binding ability in a functional ELISA. Immobilized CD7, His, Cynomolgus at 1 $\mu$ g/ml (100 $\mu$ l/well) on the plate can bind Human SECTM1, hFc Tag. Test result was comparable to standard batch.                       |
| <b>Expression System</b>              | HEK293  |
| <b>Theoretical Molecular Weight</b>   | 17.43 kDa   |
| <b>Formulation<br/>Reconstitution</b> | Lyophilized from a 0.22 $\mu$ m filtered solution in PBS , (pH 7.4).<br>Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| <b>Storage &amp; Stability</b>        | Upon receiving, the product remains stable up to 6 months at -20 °C or below.<br>Upon reconstitution, the product should be stable for 3 months at -80 °C.<br>Avoid repeated freeze-thaw cycles.  |

## Additional Information

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| <b>Target Background</b> | 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 naive and memory cells, while more weak expressors are primarily effector cells. |
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## Protein Information

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