

## Product Datasheet

### CD7 Antibody (orb1906387)

## Description

CD7 Antibody

<b>Species/Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	FC
<b>Target</b>	CD7
<b>Preservatives</b>	PBS with 0.02% Proclin 300.
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.
<b>Note</b>	For research use only
<b>Application notes</b>	The binding affinity of the scFv version of this antibody was determined using surface plasmon resonance. The affinity of the scFv antibody for human CD7 was found to be 1.8 nM. This the scFv version of this antibody was also used in the generation of single-chain Fv (scFv) immunotoxins specific for the T cell-associated antigen CD7 as a novel therapeutic agent for treatment of human T cell malignancies (PMID: 9120282). This antibody was also used in the generation of a therapeutic fusion protein scFvCD7:sTRAIL, designed to induce target antigen-restricted apoptosis in human T-cell tumors. The binding of the fusion protein to CD7 was tested with flow cytometry (PMID: 15833872).
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Uniprot ID</b>	<b>P09564</b>
<b>Expiration Date</b>	12 months from date of receipt.

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