

## CD7 Antibody (M7A18), mAb, Mouse

Cat. No.	Name	Size
V02901	CD7 Antibody (M7A18), mAb, Mouse	*

Note: \* Available in multiple package sizes: 100 µg, 1 mg (or more). GenScript can customize each product per customer's request including product size, buffer components, etc. GenScript can also provide conjugated antibody per customer's request with Biotin, FITC, PE and APC.

<b>Specificity</b>	Human CD7
<b>Alternative Name</b>	GP40, Leu-9, TP41 and Tp40,
<b>Isotype</b>	IgG1
<b>Clone</b>	M7A18
<b>Application</b>	Flow cytometry
<b>Recommended Usage</b>	It is recommended that the reagent be titrated for optimal performance for each application. Each lot of the antibodies undergoes quality control test by flow cytometric analysis.
<b>Preparation</b>	Protein A/G affinity column
<b>Concentration</b>	Lot-specific. Please check your CoA to find the concentration.
<b>Formulation</b>	1) PBS, pH 7.4, containing 0.03% Proclin 300 2) 50 mM Na-citrate, 150 mM NaCl, pH 7.0, containing 0.03% Proclin 300 * *: For new batch since 09/01/2018, please refer to COA.
<b>Storage</b>	The antibody should be stored for up to three months at 2-8°C or for up to three years at -20°C or below. Avoid repeated freezing and thawing cycles.
<b>Background</b>	CD7 is a single-pass type I transmembrane glycoprotein. It is expressed on the surface of T cells, NK cells, thymocytes, hematopoietic progenitors, monocytes, acute lymphocytic leukemia (ALL) cells and some acute

myeloid leukemia (AML) cells. The CD7 participates in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development.

Fluorescent Dyes	Excitation Source	Excitation Max	Emission Max
FITC	Blue 488 nm	494 nm	520 nm
PE	Blue 488 nm, Green 532 nm, Yellow/Green 561 nm	496 nm	578 nm
APC	Red 633 nm	650 nm	660 nm

### Data Demonstration

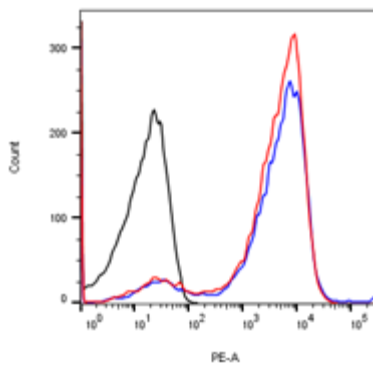


Figure 1. Flow cytometric analysis of human whole blood after red blood cell lysis using CD7 Antibody (M7A18), mAb, Mouse (GenScript, V02901; red curve) or with a negative control (black curve), or with a positive antibody (blue curve) followed by R-PE conjugated anti-mouse IgG.

*For research use only*