

**ARG62918**  
anti-CD7 antibody [MEM-186]Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [MEM-186] recognizes CD7
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, IP, WB
Specificity	The clone MEM-186 reacts with CD7, a 40 kD type I transmembrane glycoprotein expressed on peripheral blood T lymphocytes, NK-cells, hematopoietic progenitors, monocytes (weakly) and also on acute lymphocytic leukemia. HLDA VI; WS Code T 6T-015
Host	Mouse
Clonality	Monoclonal
Clone	MEM-186
Isotype	IgG1
Target Name	CD7
Species	Human
Immunogen	Human acute myelogenous leukaemia cell line KG-1.
Conjugation	Un-conjugated
Alternate Names	TP41; Tp40; T-cell antigen CD7; CD antigen CD7; T-cell leukemia antigen; LEU-9; T-cell surface antigen Leu-9; GP40

### Application Instructions

Application table	Application	Dilution
	FACS	2 µg/ml
	IHC-P	5 µg/ml
	IP	Assay-dependent
	WB	Assay-dependent
Application Note	WB: Under non-reducing condition. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	IHC-P: Spleen	

### Properties

Form	Liquid
Purification	Purified by protein A
Purity	> 95% (by SDS-PAGE)

Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links	<a href="#">GeneID: 924 Human</a> <a href="#">Swiss-port # P09564 Human</a>
Gene Symbol	CD7
Gene Full Name	CD7 molecule
Background	<p>CD7, also known as gp40, is a member of the immunoglobulin superfamily found on T cells, NK cells, thymocytes, hematopoietic progenitors, and monocytes (weakly). CD7 is also expressed on acute lymphocytic leukemia (ALL). CD7 crosslinking induces a calcium flux in T lymphocytes, presumably as a result of cytoplasmic domain association with PI3-kinase. CD7 co-stimulation can induce cytokine secretion and modulate cellular adhesion. A ligand of CD7, epithelial cell secreted protein K12, is produced in thymus to regulate thymocyte signaling and cytokine release. In lung microvascular endothelial cells CD7 serves as an IgM Fc receptor. Expression of CD7 is an important marker used in leukemia diagnostics.</p>
Function	Not yet known. [UniProt]
Highlight	<p>Related products:  <a href="#">CD7 antibodies</a>; <a href="#">CD7 ELISA Kits</a>; <a href="#">CD7 Duos / Panels</a>; <a href="#">Anti-Mouse IgG secondary antibodies</a>;  Related news:  <a href="#">Lymphoma</a></p>
Research Area	Immune System antibody
Calculated Mw	25 kDa