

Product datasheet for **AM26054PU-N**

CD7 Mouse Monoclonal Antibody [Clone ID: 142.9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	142.9
Applications:	FC, IHC
Recommended Dilution:	Immunohistochemistry on frozen sections: 1 µg/ml (1:200). Has been described to work in FACS. Suggested positive control: Human tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human T cells
Specificity:	This antibody recognizes CD7, a 40kD cell surface glycoprotein.
Formulation:	Stock solution contains 0.2mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA), and 0.09% sodium azide as a preservative. State: Aff - Purified State: Lyophilized Ig fraction
Reconstitution Method:	Reconstitute by adding 0.5ml distilled water.
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD7 molecule
Database Link:	Entrez Gene 924 Human P09564
Background:	CD7 is one of the earliest differentiation markers expressed by immature T cells and is also expressed by mature T cells and NK cells, and is a clinical marker for T cell acute lymphocytic leukemia (ALL).



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Synonyms: GP40, TP41, Leu-9

Note: Functional studies have shown that CD7 monoclonal antibodies can directly activate $\gamma\delta$ -positive T cells.

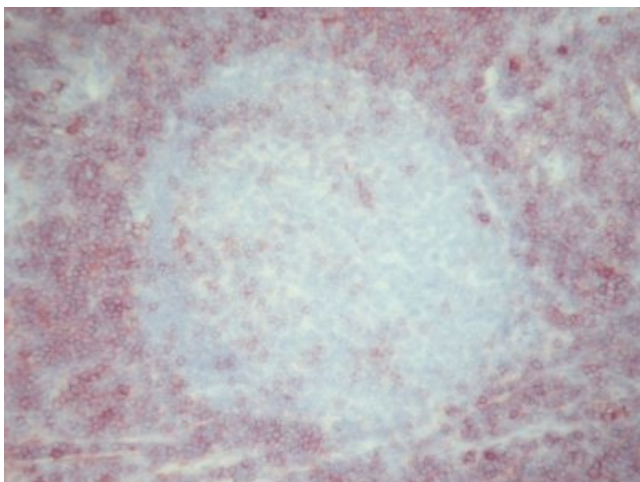
Antigen distribution:

Isolated cells: The antibody stains approximately 50-90% of human peripheral blood mononuclear cells.

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Hematopoietic cell lineage

Product images:



Immunohistochemistry on frozen sections:
Stainig with AM26054PU-N on human tonsil