

CD3 (Clone SP7)

Rabbit Monoclonal Antibody

Cat. #RM-9107-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml Supernatant)

Cat. #RM-9107-R7 (7.0ml) (Ready-to-Use for Immunohistochemical Staining)

Cat. #RM-9107-RQ (12.0ml) (Ready-to-Use for Automated Immunohistochemical Staining)

Please note this data sheet has been changed effective December 14, 2011

Description:

This antibody reacts with the intracytoplasmic portion of the CD3 antigen expressed by T cells. It stains human T cells in both the cortex and medulla of the thymus and in peripheral lymphoid tissues. This antibody is suitable for staining normal and neoplastic T cells in formalin-fixed, paraffin-embedded tissues.

Comments: Clone SP7 is excellent for staining of formalin/paraffin.

Epitope: 156-168aa

Ig Isotype: Rabbit IgG

Species Reactivity: Human. Other species not tested.

Clone Designation: SP7

Immunogen:

A synthetic 13-mer peptide corresponding to aa 156-168 of the epsilon chain of human CD3 protein.

Applications and Suggested Dilutions:

- Immunohistology (Formalin/paraffin)

Use Ab 1:150 for 20 min at RT using UltraVision LP detection systems

Use Ab 1:300 for 20 min at RT using UltraVision Quanto detection systems

* [Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.]

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Tonsil

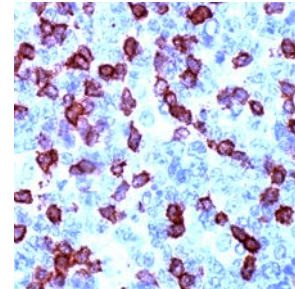
Cellular Localization: Cell Membrane

Supplied As:

Tissue culture supernatant with 15mM sodium azide.
or

Prediluted antibody which is ready-to-use for immunohistochemical staining.

Storage and Stability: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months.



Human tonsil stained with CD3 (Cat.#RM-9107) using peroxidase-conjugate and AEC. Note cell membrane staining of T cells.

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems.



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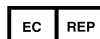
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Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

For Research Use Only



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