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DATA SHEET

Rabbit Anti-CD3 Polyclonal: RC0278, RC0278RTU7

Intended Use: For Research Use Only

Description: CD3 (Cluster of Differentiation 3) is a complex of proteins that associates directly with the T cell antigen receptor (TCR). CD3 is composed of five invariant polypeptide chains that associate to form three dimers. The five invariant chains of CD3 are labeled gamma, delta, epsilon, zeta, and eta. The CD3 is involved in T cell development and survival. It is expressed on T cells in Thymus, peripheral lymphoid tissue, blood and bone marrow. CD3 is a commonly used marker for identification of T cell and T cell derived malignancies. This CD3 antibody has been validated by the 9th International Conference on Human Leukocyte Differentiation Antigens (HLDA9).

Specifications:

Clone:	Polyclonal
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Localization:	Membrane, cytoplasm
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC

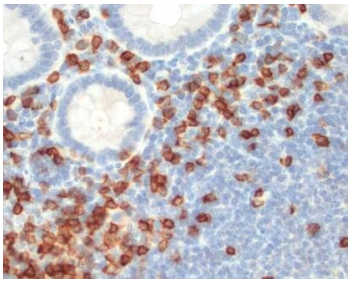
Package:

Description	Catalog No.	Size
CD3 Concentrated	RC0278	1 ml
CD3 Prediluted	RC0278RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Tonsil, lymphoma
Concentrated Dilution:	50-200
Pretreatment:	Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human cecal mucosa stained with anti-CD3 using DAB

References:

1. CEACAM1 regulates TIM-3-mediated tolerance and exhaustion. YH, et al. Nature 517:386-90, 2015.
2. In situ characterization of intrahepatic non-parenchymal cells in PSC reveals phenotypic patterns associated with disease severity. Berglin L, et al. PLoS One 9:e105375, 2014.
3. Strong expression of TGF-beta in human host tissues around subcutaneous Dirofilaria repens. Brattig NW, et al. Parasitol Res 108:1347-54, 2011.

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