

CD3 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50034

Clone# BP6039

Predicted Molecular Wt: 23kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P07766

Background:

Cluster of differentiation 3 (CD3) is a multimeric protein complex, known historically as the T3 complex, and is composed of four distinct polypeptide chains; epsilon (ϵ), gamma (γ), delta (δ) and zeta (ζ), that assemble and function as three pairs of dimers ($\epsilon\gamma$, $\epsilon\delta$, $\zeta\zeta$). The CD3 complex serves as a T cell co-receptor that associates noncovalently with the T cell receptor (TCR).

CD3 antigen appearance at all stages of T cell development, and makes it an ideal T cell marker for both the detection of normal T cells and T cell neoplasms (lymphomas and leukemias).

Subcellular location:

Membrane

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide corresponding to CD3E residues within aa100-200 of CD3E was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-20°C

Storage instructions:

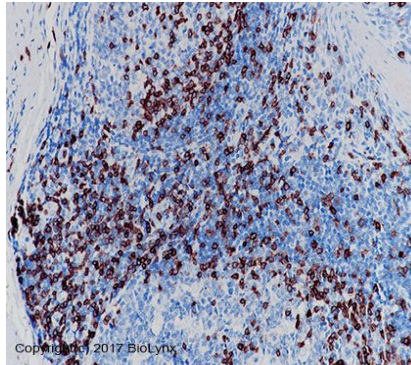
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. Smith-Garvin JE, et.al, Annu Rev Immunol. 2009;27:591-619.
2. Salvadori S, et.al, J Immunol. 1994 Dec 1;153(11):5176-82.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of tonsil tissue labelling CD3 with BP6039. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.