

Anti-CD3e [PC3/188A] Standard Size Ab01343-1.1

Developed in partnership with Ximbio (www.ximbio.com).

Isotype and Format: Mouse IgG1, Kappa

Clone Number: PC3/188A

Alternative Name(s) of Target: Leu4/T3; T-cell surface glycoprotein CD3 epsilon chain; -cell surface antigen T3/Leu-4 epsilon chain; CD3e; CD3 epsilon; CD3e antigen; TCRC

UniProt Accession Number of Target Protein: P07766

Published Application(s): WB, IHC

Published Species Reactivity: Chicken, Cow, Guinea Pig, Horse, Pig, Primate, Rabbit, Rat, Human

Immunogen: This antibody was raised by immunising mice with a peptide sequence (156-168) from the intracytoplasmic portion of the epsilon-chain of CD3.

Specificity: This antibody recognises CD3 epsilon which is a part of the TCR-CD3 complex present on all mature T-lymphocyte cells and is crucial in the adaptive immunity.

Application Notes: This anti-CD3 has been used for the identification of normal and malignant T lymphocytes in paraffin embedded or frozen tissue sections. For instance, one group labelled paraffin-embedded pancreatic sections with PC3/188A antibody to identify T-lymphocytes while investigating the role of the oligodeoxynucleotide IMT504 on diabetes in rats (Bianchi et al., 2012). Another group also used this antibody to identify T lymphocytes by staining rat brain tissue samples against CD3 in a study investigating the mechanisms of neuroinflammation (Doursout et al., 2013). Finally, Roballo and Bushman (2019) utilised PC3/188A antibody as a marker of T cells during immunohistochemical analysis of frozen sciatic nerve sections.

Antibody First Published in: Jones et al. Detection of T and B cells in many animal species using cross-reactive anti-peptide antibodies. J Immunol. 1993 Jun 15;150(12):5429-35. [PMID:8515069](#)

Note on publication: This article describes generation and characterisation of PC3/188A antibody.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration:

1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.