

# Anti-CD3 [T1P1D4\*C6]

**Catalogue number:** 153303

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Ayham Alnabulsi

**Institute:** Vertebrate Antibodies Limited

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-CD3 [T1P1D4\*C6]

**Alternate name:** CD3, CD3gd, cd3g/d, cd3-gamma

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Monoclonal antibody specific for CD3 in Atlantic salmon and rainbow trout. Background and Research Application The CD3 complex, composed of four distinct CD3 polypeptide chains (CD3 $\alpha$ , CD3 $\beta$  and 2X CD3 $\gamma$ ), associates with the T cell antigen receptor (TCR). It is found on all mature human T lymphocytes, NK cells and some thymocytes. CD3 is a member of the immunoglobulin superfamily, involved in antigen recognition, T lymphocyte activation and signal transduction. Anti-CD3 [T1P1D4\*C6] is specific for CD3 in Atlantic salmon (*Salmo salar*) and rainbow trout (*Oncorhynchus mykiss*).

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1 kappa

**Reactivity:** Salmon ; Rainbow Trout

**Selectivity:**

**Host:** Mouse

**Immunogen:** Ovalbumin-conjugated synthetic peptide- TLEYKIDENTNEY

**Immunogen UNIPROT ID:** A3RK68

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:** Western Blot, Spleen lysates; IHC, Formalin-fixed, paraffin-embedded PKD infected kidney of rainbow trout; FACS, Spleen cells, peripheral blood lymphocyte (PBL)

**Bacterial resistance:****Selectable markers:****Additional notes:**

## Target details

**Target:** T-cell surface glycoprotein CD3 gammadelta-A chain

**Target alternate names:**

**Target background:** Monoclonal antibody specific for CD3 in Atlantic salmon and rainbow trout.

Background and Research Application The CD3 complex, composed of four distinct CD3 polypeptide chains (CD3 $\alpha$ , CD3 $\beta$  and 2X CD3 $\gamma$ ), associates with the T cell antigen receptor (TCR). It is found on all mature human T lymphocytes, NK cells and some thymocytes. CD3 is a member of the immunoglobulin superfamily, involved in antigen recognition, T lymphocyte activation and signal transduction. Anti-CD3 [T1P1D4\*C6] is specific for CD3 in Atlantic salmon (*Salmo salar*) and rainbow trout (*Oncorhynchus mykiss*).

**Molecular weight:****Ic50:**

## Applications

**Application:** ELISA ; FACS ; IHC ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** Store at -20° C frozen. Avoid repeated freeze / thaw cycles

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Kandasamy et al. 2012. Plant Cell. 24(5):2041-57. PMID: 22589468. ; Plant vegetative and animal cytoplasmic actins share F $\bar{n}$  competence for spatial development with protists. ; Kandasamy et al. 2001. Plant Cell. 13(7):1541-54. PMID: 11449050. ; One plant actin isovariant, ACT7, is induced by auxin and required for normal callus formation. ; Kandasamy et al. 1999. Plant J. 18(6):681-91. PMID: 10417720. ; The late pollen-specific actins in angiosperms.

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