

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

Alexa Fluor® 700 anti-mouse TCR ? chain

RRID:AB_1027648

Type: Antibody

Proper Citation

BioLegend Cat# 109224, RRID:AB_1027648

Antibody Information

URL: http://antibodyregistry.org/AB_1027648

Proper Citation: BioLegend Cat# 109224, RRID:AB_1027648

Target Antigen: TCR beta chain

Host Organism: armenian hamster

Clonality: monoclonal

Comments: Applications: FC

Antibody Name: Alexa Fluor® 700 anti-mouse TCR ? chain

Description: This monoclonal targets TCR beta chain

Target Organism: mouse

Clone ID: Clone H57-597

Antibody ID: AB_1027648

Vendor: BioLegend

Catalog Number: 109224

Alternative Catalog Numbers: 109223

Record Creation Time: 20250820T013619+0000

Record Last Update: 20250820T112213+0000

Ratings and Alerts

No rating or validation information has been found for Alexa Fluor® 700 anti-mouse TCR ? chain.

No alerts have been found for Alexa Fluor® 700 anti-mouse TCR ? chain.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 27 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Cho HS, et al. (2025) Structure of gut microbial glycolipid modulates host inflammatory response. *Cell*.

Gliniak CM, et al. (2025) FGF21 promotes longevity in diet-induced obesity through metabolic benefits independent of growth suppression. *Cell metabolism*, 37(7), 1547.

Kondo T, et al. (2025) Engineering TCR-controlled fuzzy logic into CAR T cells enhances therapeutic specificity. *Cell*, 188(9), 2372.

Lecky DAJ, et al. (2025) Interferon- γ and IL-27 positively regulate type 1 regulatory T cell development during adaptive tolerance. *iScience*, 28(5), 112308.

Lin H, et al. (2025) Characterization and comparative analysis of multifunctional natural killer cell engagers during antitumor responses. *Cell reports. Medicine*, 6(5), 102117.

Ahn JJ, et al. (2025) Coupling IL-2 with IL-10 to mitigate toxicity and enhance antitumor immunity. *Cell reports. Medicine*, 6(8), 102257.

Morita S, et al. (2024) Combination CXCR4 and PD1 blockade enhances intratumoral dendritic cell activation and immune responses against hepatocellular carcinoma. *Cancer immunology research*.

This S, et al. (2024) Machine learning predictions of T cell antigen specificity from intracellular calcium dynamics. *Science advances*, 10(10), eadk2298.

Xu X, et al. (2024) Tumor-intrinsic P2RY6 drives immunosuppression by enhancing PGE2 production. *Cell reports*, 43(7), 114469.

Pedde AM, et al. (2024) Tissue-colonizing disseminated tumor cells secrete prostaglandin E2 to promote NK cell dysfunction and evade anti-metastatic immunity. *Cell reports*, 43(11), 114855.

Hahn AM, et al. (2023) A monoclonal Trd chain supports the development of the complete set of functional $\gamma\delta$ T cell lineages. *Cell reports*, 42(3), 112253.

Maradana MR, et al. (2023) Dietary environmental factors shape the immune defense against *Cryptosporidium* infection. *Cell host & microbe*, 31(12), 2038.

Kim E, et al. (2022) Isolation and analyses of lamina propria lymphocytes from mouse intestines. *STAR protocols*, 3(2), 101366.

Elliot TAE, et al. (2022) Nur77-Tempo mice reveal T cell steady state antigen recognition. *Discovery immunology*, 1(1), kyac009.

Lança T, et al. (2022) IRF8 deficiency induces the transcriptional, functional, and epigenetic reprogramming of cDC1 into the cDC2 lineage. *Immunity*, 55(8), 1431.

Kim E, et al. (2022) Maternal gut bacteria drive intestinal inflammation in offspring with neurodevelopmental disorders by altering the chromatin landscape of CD4⁺ T cells. *Immunity*, 55(1), 145.

Aghayev T, et al. (2022) IL27 Signaling Serves as an Immunologic Checkpoint for Innate Cytotoxic Cells to Promote Hepatocellular Carcinoma. *Cancer discovery*, 12(8), 1960.

Borriello F, et al. (2022) An adjuvant strategy enabled by modulation of the physical properties of microbial ligands expands antigen immunogenicity. *Cell*, 185(4), 614.

Goldberg EL, et al. (2021) IL-33 causes thermogenic failure in aging by expanding dysfunctional adipose ILC2. *Cell metabolism*, 33(11), 2277.

Elliot TAE, et al. (2021) Antigen and checkpoint receptor engagement recalibrates T cell receptor signal strength. *Immunity*, 54(11), 2481.