bs-10699R **[Primary Antibody]**

CD8 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: CD8

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain. Multiple transcript variants encoding different isoforms have been found for this gene. The major protein isoforms of this gene differ by the presence or absence of a transmembrane domain and thus differ in being a membrane-anchored or secreted protein. [provided by RefSeq, May 2020]

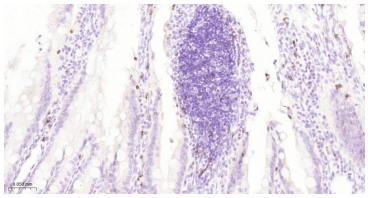
Applications: **WB** (1:500-1000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Rat

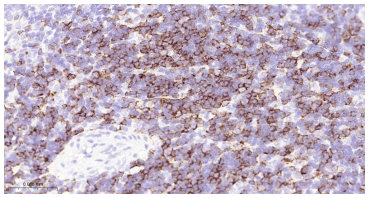
Predicted MW.: 27 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded Rat Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD8 Polyclonal Antibody, Unconjugated (bs-10699R) at 1:500 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD8 Polyclonal Antibody, Unconjugated (bs-10699R) at 1:500 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

SELECTED CITATIONS

- **[IF=20.3]** Guoyun Wan. et al. Light-cured millineedle platform delivers “nano-pomegranate” for combinatorial electrodynamic therapy and cuproptosis against oral carcinoma. BIOACT MATER. 2025 Nov;53:718 FC ;Mouse. 40801019
- **[IF=15.1]** Lei Wang. et al. STING Agonist-Loaded Nanoparticles Promotes Positive Regulation of Type I Interferon-Dependent Radioimmunotherapy in Rectal Cancer. ADV SCI. 2023 Dec;:2307858 IF ;Mouse. 38063844
- **[IF=14.1]** Meng Yang. et al. Nanofabricated Bacterial Cell Walls with Intrinsic Peroxidase-Mimicking and Sonodynamic Activities for Cancer Combination Treatment. ADV SCI. 2025 May;:2505310 IF ;Mouse. 40365750
- **[IF=7.9]** JunHui Wei. et al. PCN-224 engineered self-amplifying nanoplatform for TME responsive multimodal imaging

and in situ vaccinated combined therapy. MATER DESIGN. 2026 Jun;266:116124 IF ;Mouse. 10.1016/j.matdes.2026.116124

- **[IF=5.9]** Zhen Lv. et al. Network pharmacology and UHPLC-HRMS reveal the mechanism of QSFZYL and BMSCs overexpressing IFN-γ against lung adenocarcinoma. FRONT IMMUNOL. 2025 Jun;16: IF ;Mouse. 40642092