

**bs-4790R****[ Primary Antibody ]****CD8 Rabbit pAb****BioSS**  
**ANTIBODIES**

www.bioss.com.cn

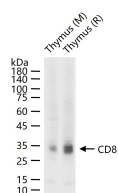
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Mouse, Rat
<b>GeneID:</b> 925	<b>SWISS:</b> P01732	
<b>Target:</b> CD8		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CD8: 51-150/235. < Extracellular >		<b>Predicted MW.:</b> 27 kDa
<b>Purification:</b> affinity purified by Protein A		<b>Subcellular Location:</b> Cell membrane
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> 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]		

**— VALIDATION IMAGES —**

25 ug total protein per lane of various lysates (see on figure) probed with CD8 polyclonal antibody, unconjugated (bs-4790R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

**— SELECTED CITATIONS —**

- **[IF=16.988]** Wu Yutong. et al. Osteoclast-Derived Apoptotic Bodies Inhibit Naïve Cd8 <sup></sup> T Cell Activation via Siglec15 Promoting Breast Cancer Secondary Metastasis. Cell Reports Medicine. 2022 Nov 03 IHC ;Mouse. 37607544
- **[IF=10.1]** Lee Yi-Mei. et al. Genomic and Transcriptomic Landscape of an Oral Squamous Cell Carcinoma Mouse Model for Immunotherapy. CANCER IMMUNOL RES. 2023 Sep;; IF ;Mouse. 37669022
- **[IF=6.6]** Misato Horie. et al. Exosomes secreted by ST3GAL5high cancer cells promote peritoneal dissemination by establishing a premetastatic microenvironment. MOL ONCOL. 2023 Sep;; IF ;Mouse. 37716915

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=5.7]** Liuying Huang, et al. Mixed radiation with different doses induces CCL17 to recruit CD8<sup>+</sup>T cell to exert anti-tumor effects in non-small cell lung cancer. FRONTIERS IN IMMUNOLOGY. 2025 Jan 14;15:1508007. Immunostaining ;Multiple (likely mouse, based on the 'tumor models' section). 39877375
- **[IF=4.8]** Zou, Ming-Xiang, et al. "Clinicopathologic implications of CD8<sup>+</sup>/Foxp3<sup>+</sup> ratio and miR-574-3p/PD-L1 axis in spinal chordoma patients." Cancer Immunology, Immunotherapy (2017): 1-16. IHC ;="Human". 29051990