

bs-10498R**[Primary Antibody]****CD3 Rabbit pAb****BioSS**
ANTIBODIES

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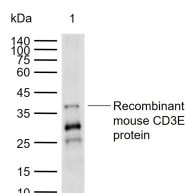
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal Target: CD3 Immunogen: KLH conjugated synthetic peptide derived from pig CD3: 11-100/196. < Extracellular > 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: CD3ε molecule, epsilon is also known as CD3E, is a T-cell surface single-pass type I membrane glycoprotein. CD3E contains 1 Ig-like (immunoglobulin-like) domain and 1 ITAM domain. CD3E, together with CD3-gamma, CD3-delta and CD3-zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. CD3E plays an essential role in T-cell development, and defects in CD3E gene cause severe immunodeficiency. CD3E gene has also been linked to a susceptibility to type I diabetes in women. CD3E has been shown to interact with TOP2B, CD3EAP and NCK2.	Isotype: IgG Applications: WB (1:500-2000) Reactivity: Mouse (predicted: Pig) Predicted MW.: 20 kDa Subcellular Location: Cell membrane
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— VALIDATION IMAGES —

Sample: Lane 1: Recombinant mouse CD3E protein, C-mFc (HEK293)(bs-43509P) Primary: Anti-CD3 (bs-10498R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 20 kDa
 Observed band size: 36 kDa

— SELECTED CITATIONS —

- **[IF=10.334]** Qihang Hou. et al. Dietary genistein increases microbiota-derived short chain fatty acid levels, modulates homeostasis of the aging gut, and extends healthspan and lifespan. PHARMACOL RES. 2023 Feb;188:106676 FCM ;Mouse. 36693599
- **[IF=8]** Ke Wang. et al. Combined Placental Mesenchymal Stem Cells with Guided Nanoparticles Effective Against Diabetic Nephropathy in Mouse Model. INT J NANOMED. 2024 Jan 25 IF ;Mouse. 38293609
- **[IF=6.7]** Wu Haoshuang. et al. A strategy for mechanically integrating robust Hydrogel-Tissue hybrid to promote the

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

anti-calcification and endothelialization of bioprosthetic heart valve. REGEN BIOMATER. 2024 Jan;: IHC ;Pig.
10.1093/rb/rbae003

- **[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
- **[IF=4.631]** Xiao-Fan Xu. et al. Aspirin Ameliorates Pancreatic Inflammation and Fibrosis by Inhibiting COX-2 Expression in Experimental Chronic Pancreatitis. J INFLAMM RES. 2022 Aug;15:4737-4749 IHC ;Mouse. 36032936