

bs-0765R**[Primary Antibody]****Bioss**
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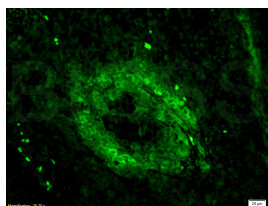
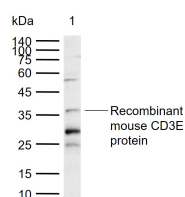
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CD3E Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 12501	SWISS: P22646	IHC-F (1:100-500)
Target: CD3E		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from mouse CD3E: 101-189/189. < Cytoplasmic >		Reactivity: Human, Mouse (predicted: Rat, MACFA)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 20 kDa
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.		Subcellular Location: Cell membrane
Background: CD3e 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.		

— VALIDATION IMAGES —

Sample: Lane 1: Recombinant mouse CD3E protein, C-mFc (HEK293)(bs-43509P) Primary: Anti-CD3E (bs-0765R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 20 kDa
Observed band size: 36 kDa

Tissue/cell: mouse lymphoma tissue;4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CD3 Polyclonal Antibody, Unconjugated(bs-0765R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, FITC conjugated(bs-0295G-FITC)used at 1:200 dilution for 40 minutes at 37°C.

— SELECTED CITATIONS —

- **[IF=5.116]** E Xiang. et al. Human umbilical cord-derived mesenchymal stem cells prevent the progression of early diabetic nephropathy through inhibiting inflammation and fibrosis. Stem Cell Res Ther. 2020 Dec;11(1):1-14 IF ;Rat. 32746936

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

- **[IF=3.776]** Jia-qi Yuan. et al. S100A9 promotes glycolytic activity in HER2-positive breast cancer to induce immunosuppression in the tumour microenvironment. HELIYON. 2023 Feb;9:e13294 IHC ;Human. 36755606
- **[IF=3.06]** Li T et al. Withanolides, extracted from *Datura metel* L. inhibit keratinocyte proliferation and imiquimod-induced psoriasis-like dermatitis via the STAT3/P38/ERK1/2 pathway. Molecules. 2019 Jul 17;24(14). pii: E2596. WB ;Mouse. 31319488
- **[IF=2.705]** Park M et al. Lymphatic endothelial cells promote T lymphocyte migration into lymph nodes under hyperlipidemic conditions. Biochem Biophys Res Commun. 2020 May 7;525(3):786-792. IF ;mouse. 32147097
- **[IF=2.348]** Becher et al. Assessment of cardiac inflammation and remodeling during the development of streptozotocin-induced diabetic cardiomyopathy in vivo: a time course analysis. (2013) Int.J.Mol.Me. 32:158-64 IHC ;Rat. 23652584