

bsm-60735R**[Primary Antibody]****Bioss**
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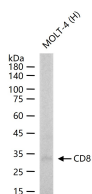
400-901-9800

CD8 Recombinant Rabbit mAb**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** D5A7**GeneID:** 925**SWISS:** P01732**Target:** CD8**Purification:** affinity purified by Protein A**Storage:** PBS, Glycerol, BSA.

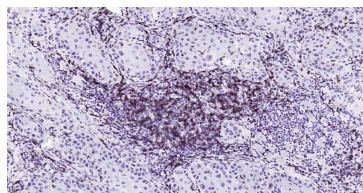
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

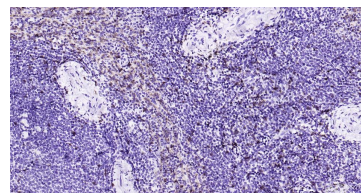
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human**Predicted MW.:** 27 kDa**Subcellular Location:** Cell membrane**VALIDATION IMAGES**

25 ug total protein per lane of various lysates (see on figure) probed with CD8 monoclonal antibody, unconjugated (bsm-60735R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded (human squamous cell lung cancer); Antigen retrieval by boiling in EDTA buffer (pH 9.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CD8) Monoclonal Antibody, Unconjugated (bsm-60735R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human spleen); Antigen retrieval by boiling in EDTA buffer (pH 9.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CD8) Monoclonal Antibody, Unconjugated (bsm-60735R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

SELECTED CITATIONS

- **[IF=14.9]** Kanishka Fernando. et al. Extended human lymph node explants for evaluation of adaptive immunity. TRENDS BIOTECHNOL. 2025 Aug mIHC ;Human. 40885665
- **[IF=14.1]** Jun-Qing Chang. et al. HLA-DR⁺ Tumor Cells Show an Association with a Distinct Immune Microenvironment and CD8⁺ T-Cell Exhaustion in HBV-Associated Hepatocellular Carcinoma. ADV SCI. 2025 Jun;;e02979 mIF ;Human. 40464412
- **[IF=5.9]** Yixuan Zhang. et al. PD-L1⁺ neutrophils mediate immune regulation of CD8⁺ T cells in halo nevi. FRONT

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

