

**bsm-55558R****[ Primary Antibody ]**

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**CD4 Recombinant Rabbit mAb****— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 12F7**GeneID:** 12504**SWISS:** P06332**Target:** CD4**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml

**Storage:** PBS with 0.02% Proclin300, 100 µg/ml BSA and 50% glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

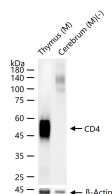
**Background:** This gene encodes a membrane glycoprotein of T lymphocytes that interacts with major histocompatibility complex class II antigens and is also a receptor for the human immunodeficiency virus. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, and granulocytes. It is also expressed in specific regions of the brain. The protein functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, Aug 2010].

**Applications:** **WB** (1:500-5000)  
**IHC-P** (1:100-500)  
**IHC-F** (1:100-500)  
**IF** (1:100-500)

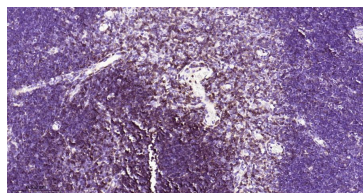
**Reactivity:** Mouse

**Predicted MW.:** 51 kDa

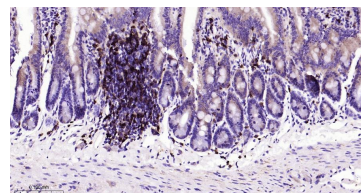
**Subcellular Location:** Cell membrane

**— VALIDATION IMAGES —**

25 µg total protein per lane of various lysates (see on figure) probed with CD4 monoclonal antibody, unconjugated (bsm-55558R) 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 Mouse Thymus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD4 Monoclonal Antibody, Unconjugated (bsm-55558R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD4 Monoclonal Antibody, Unconjugated (bsm-55558R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.