
HLA-DR Recombinant Rabbit mAb

Catalog Number: bsm-52535R

Target Protein: HLA-DR

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 32G3

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:50-200)

Reactivity: Human

Predicted MW: 29 kDa

Subcellular Cell membrane ,Cytoplasm

Locations:

Entrez Gene: 3122

Swiss Prot: P01903

Source: A synthesized peptide derived from human HLA DRA: 150-190/254.

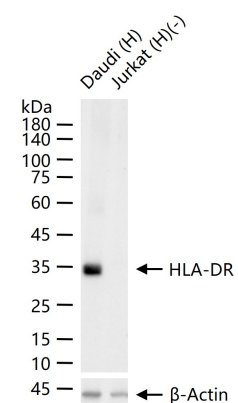
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

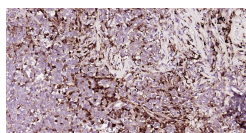
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: HLA-DRA is one of the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha and a beta chain, both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The alpha chain is approximately 33-35 kDa and its gene contains 5 exons. Exon 1 encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, and exon 4 encodes the transmembrane domain and the cytoplasmic tail. DRA does not have polymorphisms in the peptide binding part and acts as the sole alpha chain for DRB1, DRB3, DRB4 and DRB5. [provided by RefSeq]

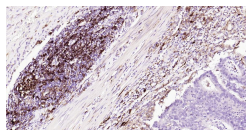
VALIDATION IMAGES



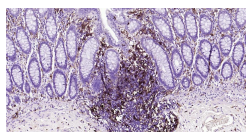
25 ug total protein per lane of various lysates (see on figure) probed with HLA-DR monoclonal antibody, unconjugated (bsm-52535R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



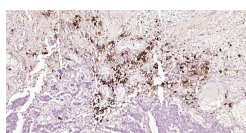
Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with HLA-DR Monoclonal Antibody, Unconjugated(bsm-52535R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



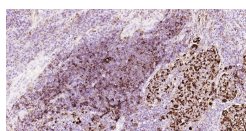
Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with HLA-DR Monoclonal Antibody, Unconjugated(bsm-52535R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with HLA-DR Monoclonal Antibody, Unconjugated(bsm-52535R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Esophagus Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with HLA-DR Monoclonal Antibody, Unconjugated(bsm-52535R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Gastric Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with HLA-DR Monoclonal Antibody, Unconjugated(bsm-52535R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=12.91] Kai Ye. et al. An armed oncolytic virus enhances the efficacy of tumor-infiltrating lymphocyte therapy by converting tumors to artificial antigen presenting cells in situ. MOL THER. 2022 Jun;; IHC ; MOUSE . 35715953

[IF=11] Ou Da-Liang. et al. Nano-modified viruses prime the tumor microenvironment and promote the photodynamic virotherapy in liver

cancer. J BIOMED SCI. 2024 Dec;31(1):1-12 IHC ; Mouse . 38163894

[IF=3.6] Lee, Seoung-Woo. et al. Immortalization of epidural fat-derived mesenchymal stem cells: In vitro characterization and adipocyte differentiation potential. WORLD JOURNAL OF STEM CELLS. 2025 Jan 26;17(1):98777. Fluorescence-activated single cell sorting (facs) ; Rabbit . 39866894