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MHC Class II Rabbit pAb

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Catalog Number:	bs-4298R
Target Protein:	MHC Class II
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Human, Mouse (predicted:Rat)
Predicted MW:	29 kDa
Entrez Gene:	3109
Swiss Prot:	P28068
Source:	KLH conjugated synthetic peptide derived from human MHC Class II: 201-296/296.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
	Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Background:	HLA-DMB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DMA) and a beta (DMB) chain, both anchored in the membrane. It is located in intracellular vesicles. DM plays a central role in the peptide loading of MHC class II molecules by helping to release the CLIP (class II-associated invariant chain peptide) molecule from the peptide binding site. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The beta chain is approximately 26-28 kDa and its gene contains 6 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and exon 5 encodes the cytoplasmic tail. [provided by RefSeq, Jul 2008]

VALIDATION IMAGES
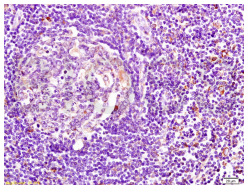
Tissue/cell: Human pancreatic cancer; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-HLA DMβ Polyclonal Antibody, Unconjugated(bs-4298R) 1:200, overnight at 4℃, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

PRODUCT SPECIFIC PUBLICATIONS

[IF=10.1] Lee Yi-Mei. et al. Genomic and Transcriptomic Landscape of an Oral Squamous Cell Carcinoma Mouse Model for Immunotherapy. CANCER IMMUNOL RES. 2023 Sep;: IF ; Mouse . 37669022

[IF=8.806] Li TF et al. Dendritic cell-mediated delivery of doxorubicin-polyglycerol-nanodiamond composites elicits enhanced anti-cancer immune response in glioblastoma.Biomaterials. 2018 Oct;181:35-52. IHC ; Human . 30071380

[IF=5.345] Yuan SJ et al. Doxorubicin-polyglycerol-nanodiamond conjugate is a cytostatic agent that evades chemoresistance and reverses cancer-induced immunosuppression in triple-negative breast cancer.J Nanobiotechnology. 2019 Oct 17;17(1):110. IHC ; Mouse . 31623629

[IF=3.715] Nan Hou. et al. Tissue-engineered esophagus: recellular esophageal extracellular matrix based on perfusion-decellularized technique and mesenchymal stem cells. Biomed Mater. 2021 Aug;: IHC ; Rabbit . 34384057

[IF=4.1] Sha Liu. et al. L-Theanine alleviates heat stress through modulation of gut microbiota and immunity. J SCI FOOD AGR. 2023 Nov;: WB ; Mouse . 37917744