## [ Primary Antibody ]

## MHC Class II Rabbit pAb



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– DATASHEF	Τ		400-301-3000
Host:	Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal			<b>IHC-P</b> (1:100-500)
GeneID:	3109	SWISS: P28068	IFC-F (1:100-500)
Target:	MHC Class II		
Immunogen: KLH conjugated synthetic peptide derived from human HLA class II histocompatibility antigen DM beta chain: 111-200/263.			(predicted: Rat)
<b>Purification:</b>	affinity purified by Protein A		
Concentration: 1mg/ml			Predicted MW.: <sup>27 kDa</sup>
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 Cell membrane ,Cytoplasm Location:	
<b>Background:</b> 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]			
– VALIDATIO	N IMAGES —		





Protein: mouse lung lysates at 30ug; Primary: Anti-MHC Class II (bs-8481R) at 1:200; Secondary: HRP conjugated Goat Anti-Rabbit IgG(bs-0295G-HRP) at 1: 3000; ECL excitated the fluorescence; Predicted band size : 27kD Observed band size : 30kD

Sample: Lane 1: Lung (Mouse) Lysate at 40 ug Lane 2: Cerebrum (Mouse) Lysate at 40 ug Lane 3: Lymph node (Mouse) Lysate at 40 ug Lane 4: Spleen (Mouse) Lysate at 40 ug Primary: Anti-MHC Class II (bs-8481R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 29/50 kD Observed band size: 50 kD



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffinembedded; 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°C for 20 min; Incubation: Anti-MHC Class II Polyclonal Antibody, Unconjugated(bs-8481R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

## - SELECTED CITATIONS -

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IF; Mouse. 37567571

- [IF=7.561] Pengfei Li. et al. Comparative Proteomic Analysis of Polarized Human THP-1 and Mouse RAW264.7 Macrophages. Front Immunol. 2021; 12: 700009 IF ;Human, Mouse. 34267761
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- [IF=7.376] Fenghong Wang. et al. Silica nanoparticles induce pyroptosis and cardiac hypertrophy via ROS/NLRP3/Caspase-1 pathway. Free Radical Bio Med. 2022 Mar;182:171 IHC,WB ;Rat,Human. 10.1016/j.freeradbiomed.2022.02.027