bs-18070R

- DATASHEET -

[Primary Antibody]

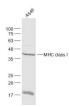
MHC class I Rabbit pAb



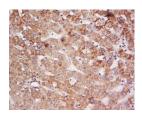
www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

— DATASHEET —			
Host: Rabbit	lso	t ype: IgG	Applications: WB (1:500-2000)
Clonality: Polycl	onal		IHC-P (1:100-500) IHC-F (1:100-500)
GenelD: 3105	SV	VISS: P04439	IF (1:100-500)
Target: MHC c	lass I		ICC/IF (1:100)
	onjugated synthetic peptide 00/365. < Extracellular >	derived from human HLA A2:	Reactivity: Human
Purification: affinity	y purified by Protein A		
Concentration: 1mg/n	nl		Predicted
Glycer			Predicted MW.: ^{38 kDa}
	ed at 4°C. Store at -20°C for c /thaw cycles.	ne year. Avoid repeated	Subcellular Location: Cell membrane
I mole chain memb systen reticul cells. 1 appro- encod alpha2 alpha3 exons exon 2 specifi polym transp descri occurr caused virus ((SARS- the no diseas epitop variati	cule is a heterodimer consis (beta-2 microglobulin). The l irane. Class I molecules play in by presenting peptides der um lumen so that they can b They are expressed in nearly ximately 45 kDa and its gene es the leader peptide, exons 2 domains, which both bind t 8 domain, exon 5 encodes th 6 and 7 encode the cytoplas and exon 3 are responsible city of each class one molec orphisms is routinely done f lantation. More than 6000 H bed. The HLA system plays a rence and outcome of infecti d by the malaria parasite, the HIV), and the severe acute re CoV). The structural spike ai vel coronavirus SARS-CoV-2 e 2019 (COVID-19), are repor pes with predicted HLA restri on may help explain differer a population.[provided by F	be recognized by cytotoxic T all cells. The heavy chain is contains 8 exons. Exon 1 2 and 3 encode the alpha1 and the peptide, exon 4 encodes the e transmembrane region, and mic tail. Polymorphisms within for the peptide binding ule. Typing for these or bone marrow and kidney LA-A alleles have been n important role in the ous diseases, including those e human immunodeficiency spiratory syndrome coronavirus nd the nucleocapsid proteins of which causes coronavirus ted to contain multiple Class I ctions. Individual HLA genetic it immune responses to a virus	

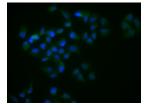
– VALIDATION IMAGES -



Sample: A549(Human) Cell Lysate at 30 ug Primary: Anti-MHC class I (bs-18070R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 38 kD Observed band size: 38 kD



Tissue/cell: human liver cancer; 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-HLA A2 Polyclonal Antibody, Unconjugated(bs-18070R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (MHC class I) polyclonal Antibody, Unconjugated (bs-18070R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

- SELECTED CITATIONS -

- [IF=27.7] Luo Hao. et al. The miR-23a/27a/24 2 cluster drives immune evasion and resistance to PD-1/PD-L1 blockade in non-small cell lung cancer. MOL CANCER. 2024 Dec;23(1):1-15 WB ;Human. 39736629
- [IF=4.4] Song Pengkang. et al. Vitamin a potentiates sheep myoblasts myogenic differentiation through BHLHE40modulated ID3 expression. BMC GENOMICS. 2024 Dec;25(1):1-12 WB ;Sheep. 38443816
- [IF=3.4] Wang Fenghong. et al. Long-term exposure to silica nanoparticles induces cardiac hypertrophy through the pyroptosis pathway. TOXICOL SCI. 2025 Apr;: IHC,WB ;Rat. 40286312