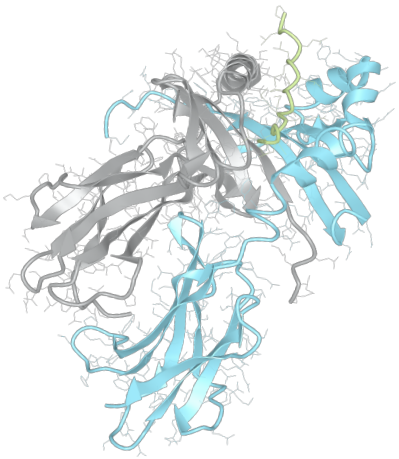
HLA Protein
PURE PROTEIN LLC

Product datasheet



sHLA– DRB1*09:01bio DRA*01:01bio

DRB1*0901, DRB10901, DRB1*09, DRB09, DR9
DRA*0101, DRA0101, DRA*01, DRA01

Serological Name	DR9
Peptide Load	Endogenous
Modification	Unmodified
Conjugation	Biotin
SKU	DRB10901bio

Product Description

Allele Name	DRA*01:01 DRB1*09:01
HLA Class	HLA Class II
HLA Gene Locus	HLA-DR
Alternative Allele Name A Chain	DRA*0101, DRA0101, DRA*01, DRA01
Alternative Allele Name B Chain	DRB1*0901, DRB10901, DRB1*09, DRB09, DR9
Description	Recombinant, truncated Class II soluble Human Leukocyte Antigen (sHLA), naturally folded and glycosylated, loaded with endogenous peptides.
Serological Name	DR9
Serological Split	–
Allele Frequency [World Population]	
A chain	–
B chain	5.2%

Associated products

DRB10901
DRB10901pe

Product Specification

Product name	HLA-DRB1*09:01bio
HLA Species	Human
Host Cell Line Species	Mouse
Clone Designation	C2G5
Tail Specification	ZP
Peptide Load	Endogenous
Modification	Unmodified
Conjugation	Biotin
Complexity	Monomer
Protein Format	Recombinant, truncated, zipper-stabilized, soluble, non-modified, biotinylated, endogenously loaded
Storage Temperature	4˚C (This product should be stored undiluted)
Form	Liquid
Concentration	300.0 μg/μl
Formulation	PBS/0.02% Sodium Azide
pH	7.4
Purification Method	Affinity Chromatography
Grade	Research Use Only [RUO]
Authentication Verification	Seqence Based Typing

Protein Sequences

Alpha Chain Sequence	IKEEHVIIQA EFYLNPDQSG EFMFDFDGDE IFHVDMAKKE TVWRLEEFGR FASFEAQGAL ANIAVDKANL EIMTKRSNYT PITNVPPEVT VLTNSPVELR EPNVLICFID KFTPPVVNVT WLRNGKPVTT GVSETVFLPR EDHLFRKFHY LPFLPSTEDV YDCRVEHWGL DEPLLKHWEF DAPSPLPETT EVDGGGGGAQ LEKELQALEK ENAQLEWELQ ALEKELAQ
Beta Chain Sequence	GDTQPRFLKQ DKFECHFFNG TERVRYLHRG IYNQEENVRF DSDVGEYRAV TELGRPVAES WNSQKDFLER RRAEVDTVCR HNYGVGESFT VQRRVHPEVT VYPAKTQPLQ HHNLLVCSVS GFYPGSIEVR WFRNGQEEKA GVVSTGLIQN GDWTFQTLVM LETVPRSGEV YTCQVEHPSV MSPLTVEWRA RSESAQSKVD GGGGGAQLKK KLQALKKKNA QLKWKLQALK KKLAQ

Related Products

DRB10902bio
DRB11101bio
DRB10701bio
DRB11501bio

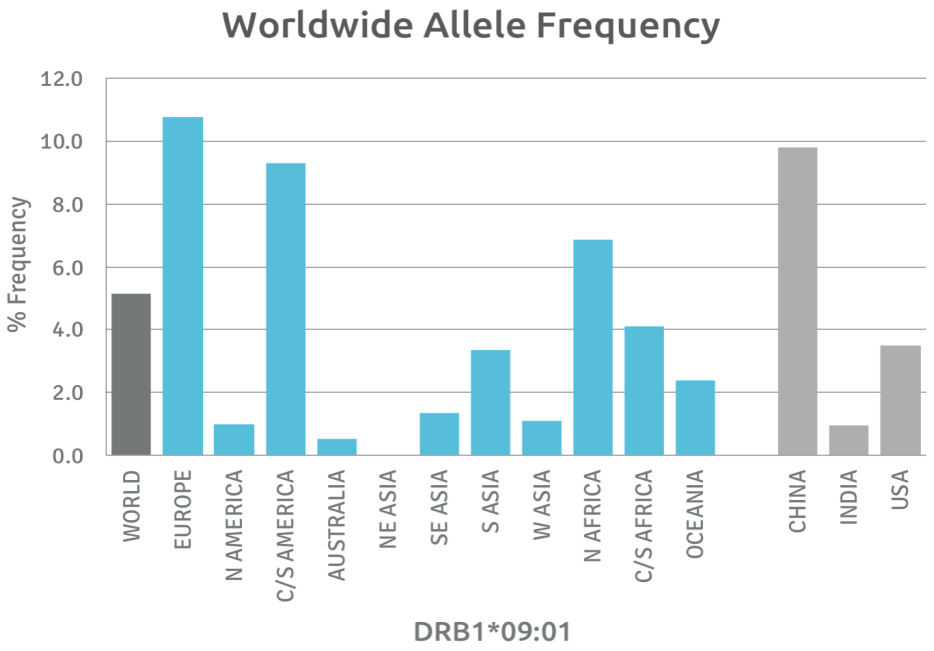
Applications

HLA Sandwich ELISAs
HLA Direct ELISAs
HLA-Sera Antibody Assays
HLA Controls in ELISA Assays
HLA Assay Standards
HLA Blocking Assays
HLA Neutralizing Assays
HLA Competition Assays
HLA Bead Assays
HLA Immunization Procedures

Recommended Antibodies

L243

Allele Frequency



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HLA Protein

Eplet Assignments

DRB1*09:01

Eplet	Polymorphic Residues	Antibody Reactivity
4R	4R	Yes
16Y	16Y25R	Yes
25R	25R	Yes
26F	26F	
28D	28D	
31F	31F	
31FY	31F32Y	
32Y	32Y	
32YN	32Y33N	
33N	33N	
37Y	37Y	
37YV	37Y38V	Yes
38V	38V	
40F	40F41D	
47Y	47Y	
47YR	47Y48R	
58A	58A	
58AY	58A60Y	
60Y	60Y	
67F	67F	
70D	70D	Yes
70DA	70D73A	Yes
70DR	70D71R	
70DRA	70D71R73A	
71R	71R	
73A	73A77T	Yes
74L	70D71R73A74L	
77T	77T	Yes
77TY	77T78Y	
78Y	78Y	
85V	85V	
86G	85V86G	
96H	96H	
96HK	96H98K120S	Yes
98K	98K	
98KS	98K120S	
108P	105K108P	
112H	112H	
120S	120S	
140TV	140T142V	
149H	149H	
180V	180V	
180VTP	180V181T183P	
181T	181T	
189S	189S	

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