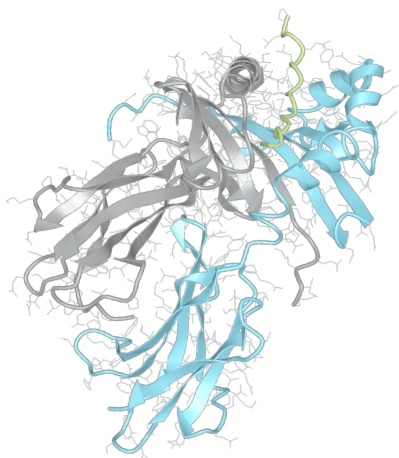


Product datasheet



sHLA– DRB5*01:01bio DRA*01:01bio

DRB5*0101, DRB50101, DRB5*01, DRB01, DR51
DRA*0101, DRA0101, DRA*01, DRA01

Serological Name	DR51
Peptide Load	Endogenous
Modification	Unmodified
Conjugation	Biotin
SKU	DRB50101bio

Product Description

Allele Name	DRA*01:01 DRB5*01:01
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	DRB5*0101, DRB50101, DRB5*01, DRB01, DR51
Description	Recombinant, truncated Class II soluble Human Leukocyte Antigen (sHLA), naturally folded and glycosylated, loaded with endogenous peptides.
Serological Name	DR51
Serological Split	–
Allele Frequency [World Population]	
A chain	–
B chain	–

Associated products

[DRB50101](#)
[DRB50101pe](#)

Product Specification

Product name	HLA-DRB5*01:01bio
HLA Species	Human
Host Cell Line Species	Mouse
Clone Designation	EP300-SSC C5
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	Sequence Based Typing

Protein Sequences

Alpha Chain Sequence	IKEEHVIIQA EFYLNPDQSG EFMDFDGDGE IFHVDMAKKE TVWRLEEFGR FASFEAQGAL ANIAVDKANL EIMTKRSNYT PITNVPPEVT VLTNSPVELR EPNVLICFID KFTPPVNVNT WLRNGKPVTT GVSETVFLPR EDHLFRKFHY LPFLPSTEDV YDCRVEHWGL DEPLLKHWEF DAPSPLPETT EVDGGGGGAQ LEKELQALEK ENAQLEWELQ ALEKELAQ
Beta Chain Sequence	GDTRPRFLQQ DKYECHFFNG TERVRFLHRD IYNQEEDLRF DSDVGEYRAV TELGRPD AEY WNSQKDFLED RRAAVDTYCR HNYGVGESFT VQRRVEPKVT VYPARTQTLQ HHNLLVCSVN GFYPGSIEVR WFRNSQEEKA GVVSTGLIQN GDWTFQTLVM LETVPRSGEV YTCQVEHPSV TSPLTVEWRA QSESAQSKVD GGGGGAQLKK KLQALKKKNA QLKWKLQALK KKLAQ

Related Products

[DRB50102bio](#)
[DRB50202bio](#)
[DRB1101bio](#)
[DRB11501bio](#)

Applications

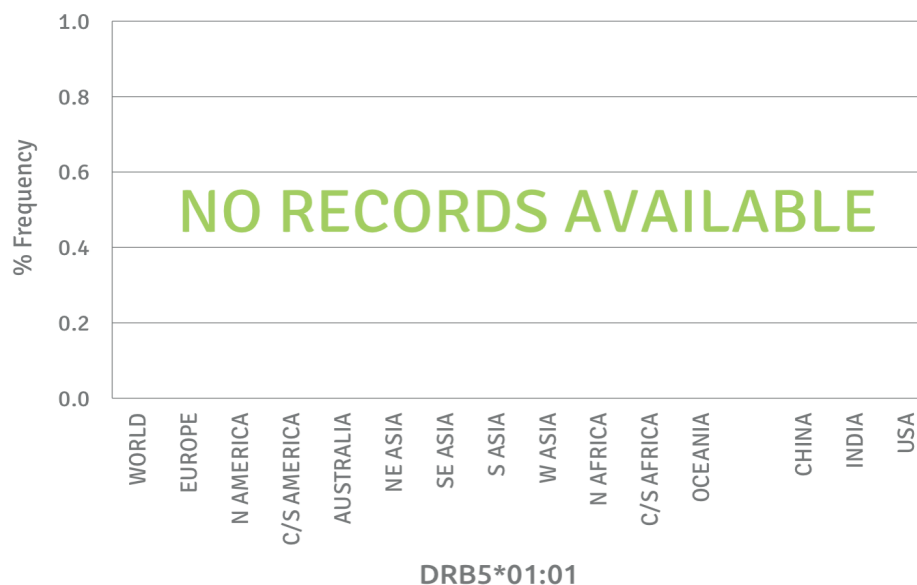
HLA Sandwich ELISAs
 HLA Direct ELISAs
 HLA-Sera Antibody Assays
 HLA Controls in ELISA Assays
 HLA Assay Standards
 HLA Blocking Assays
 HLA Neutralizing Assays
 HLA Competition Assays
 HLA Bead Assays
 HLA Immunization Procedures

Recommended Antibodies

L243

Allele Frequency

Worldwide Allele Frequency



Please note:

ALL PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR COMMERCIAL USE IN DIAGNOSTIC PROCEDURES.
 For more information, please visit our Policies section on our website. For licensing inquiries, please contact

licensing@hlaprotein.com

 HLA Protein
PURE PROTEIN LLC

Eplet Assignments

DRB5*01:01

Eplet	Polymorphic Residues	Antibody Reactivity
4R	4R	Yes
16H	16H	
25R	25R	Yes
26F	26F	
28H	28H	
30D	30D	
31I	31I32Y33N	
32Y	32Y	
32YN	32Y33N	
33N	33N	
38L	38L	
40F	40F41D	
47Y	47Y	
47YR	47Y48R	
57D	57D60Y	
57DA	57D58A60Y	
58A	58A	
58AY	58A60Y	
60Y	60Y	
67F	67F	
70D	70D	Yes
70DA	70D73A	Yes
70DR	70D71R	
70DRA	70D71R73A	
71R	71R	
73A	73A77T	Yes
74A	73A74A77T	
77T	77T	Yes
77TY	77T78Y	
78Y	78Y	
85V	85V	
86G	85V86G	
96EV	96E98K180V	Yes
98K	98K	
98KN	98K120N	
104A	104A	Yes
108T	108T	Yes
112H	112H	
120N	120N	
133RS	133R135S	
140A	140A	
140AV	140A142V	
149Q	149Q	
180V	180V	
180VTP	180V181T183P	
181T	181T	
189R	187E189R	