

آزمایشگاه تشخیص پزشکی یکتا

Yekta Medical Diagnostic Laboratory

Luminex Single Antigen Bead Anti-HLA Class II Assay

Single-Ag-Class-II-IgG



2298766428 زارع معصومه نامخانوادگي: نام: كد ملي: 1403-07-19 072281 نمونه ارسالي تاریخ پذیرش: شماره پذیرش: <u>O</u>+ زن 41 گروه خونی : كانديد ييوند اول آزمایشگاه پاستور شیراز مركز درماني: گيرنده پيوند سابقه ييوند: منفي سابقه تزریق خون: تعداد سقط: تعداد بارداري:

Reactive Antigens

High Risk Antigens (MFI>1700)

DRB1*01:01-DRB1*01:02-DRB1*01:03- DRB1*03:01-DRB1*03:02-DRB1*03:03-DRB1*04:01-DRB1*04:02-DRB1*04:03-DRB1*04:04-DRB1*04:05-DRB1*07:01-DRB1*08:01-DRB1*08:02-DRB1*09:01-DRB1*10:01-DRB1*12:01-DRB1*12:02-DRB1*13:01-DRB1*13:03-DRB1*13:05-DRB1*14:01-DRB1*14:03-DRB1*14:04-DRB1*15:01-DRB1*15:02-DRB1*15:03-DRB1*16:01-DRB1*16:02-DRB3*01:01-DRB3*03:01-DRB5*01:01-DRB5*02:02-DQB1*04:01-DQB1*04:02-DQB1*05:01-DOB1*05:02-DQB1*05:03-DQB1*06:01-DQB1*06:02-DQB1*06:03-DQB1*06:04-DQA1*01:01-DQA1*01:02-DQA1*01:03-DQA1*01:04-DQA1*04:01-DQA1*06:01-DPB1*01:01-DPB1*03:01-DPB1*04:01-DPB1*05:01-DPB1*06:01-DPB1*09:01

DPB1*11:01-DPB1*13:01-DPB1*14:01-DPB1*15:01-DPB1*17:01-DPB1*19:01-DPB1*28:01-DPA1*02:01-DPA1*02:02-DPA1*04:01-

Moderate Risk Antigens (MFI>750 and <1700)

Calculated class I and II PRA: 99%.

Low chance to find a DSA negative donor.

HLA typing of potential donors and virtual cross matching is recommended.

Claculated PRA (cPRA) %

> Yekta Lal HLA Typing

www.yektalab.ir

دكتر يدالله شكي متخصص ايمونولوژي (MD-PhD) نظام آزمار شگاهی : آ – ۳۳۷۴

***اطلاعات مربوط به گروه خونی براساس شرح حال مراجعه کننده بوده و آزمایشگاه در رابطه با صحت آن مسئولیتی ندارد ***

آدرس: تهران-خيابان دكتر قريب-نبش خيابان قدريلاك 124-تلفن:02166932624

Address: No. 124, Ghadr Alley, Dr. Gharib Street, Tehran, Iran. Telephone: 02166932624

DRB1 File				1			
DRB1*U1-02	Allele	MFI	Risk Level	Allele Acceptance	Antigen		DS Success Rate
DRB1*01-03 6746	DRB1*01:01	4845	High Risk	Unacceptable	DRB1*01	Unacceptable	Low Chance
DRB1*03-01 DS40	DRB1*01:02	4945	High Risk	Unacceptable			Low Chance
DRB1*03-02 7270	DRB1*01:03	6745	High Risk	Unacceptable			Low Chance
DRB1*04.01	DRB1*03:01	9548	High Risk	Unacceptable	DRB1*03	Unacceptable	Low Chance
DRB1*04-01	DRB1*03:02	7276	High Risk	Unacceptable			Low Chance
DRB1*14-02 2783	DRB1*03:03	7739	High Risk	Unacceptable			Low Chance
DRB1*94-01.5 2624 High Risk Unacceptable Moderate Chance	DRB1*04:01	2940	High Risk	Unacceptable	DRB1*04	Unacceptable	Moderate Chance
DRB1*04-05 2399	DRB1*04:02	2783	High Risk	Unacceptable			Moderate Chance
DRB1*14-165 2239 High Risk Unacceptable Unacceptable Low Chance DRB1*197-010 SPR51*198-010 S	DRB1*04:03	2624	High Risk	Unacceptable			Moderate Chance
DRB1*07:01 3472	DRB1*04:04	2466	High Risk	Unacceptable			Moderate Chance
DRB1*08:01 6728	DRB1*04:05	2339	High Risk	Unacceptable			Moderate Chance
DRB1*05:02 7244	DRB1*07:01	3472	High Risk	Unacceptable	DRB1*07	Unacceptable	Low Chance
DRB1*09:01 5954	DRB1*08:01	6728	High Risk	Unacceptable	DRB1*08	Unacceptable	Low Chance
DRB1*10:01	DRB1*08:02	7244	High Risk	Unacceptable			Low Chance
DRB1*11:01	DRB1*09:01	5954	High Risk	Unacceptable	DRB1*09	Unacceptable	Low Chance
DRB1*11:03 526	DRB1*10:01	2138	High Risk	Unacceptable	DRB1*10	Unacceptable	Moderate Chance
DRB1*11:04	DRB1*11:01	411	Low Risk	Acceptable	DRB1*11	Acceptable	No Need
DRB1*11:04	DRB1*11:03	526	Low Risk	Acceptable			No Need
DRB1*12:02	DRB1*11:04	460	Low Risk	Acceptable			No Need
DRB1*13:01 103211	DRB1*12:01	6218	High Risk	Unacceptable	DRB1*12	Unacceptable	Low Chance
DRB1*13:01 103211		11846					Low Chance
DRB1*13:03 5501 High Risk Unacceptable Low Chance		10321			DRB1*13	Unacceptable	Low Chance
DRB1*13:05 9616 High Risk Unacceptable Low Chance							
DRB1*14:01 3932							
DRB1*14:03 8202 High Risk Unacceptable DRB1*15:01 DRB1*15:02 DRB1*15:02 DRB1*15:03 5525 High Risk Unacceptable Unacceptable DRB1*16:01 DRB1*16:02 High Risk Unacceptable DRB1*16:02 DRB1*16:02 DRB1*16:02 DRB1*16:01 DRB1*16:02 D				<u> </u>	DRB1*14	Unaccentable	
DRB1*14:04 4156 High Risk Unacceptable DRB1*15:01 4949 High Risk Unacceptable Unacceptable Low Chance DRB1*15:02 5989 High Risk Unacceptable Unacceptable Low Chance DRB1*15:03 5525 High Risk Unacceptable Unacceptable Unacceptable Low Chance DRB1*16:01 5609 High Risk Unacceptable Unacceptable Low Chance DRB3*01:01 4105 High Risk Unacceptable DRB3 Unacceptable Low Chance DRB3*02:02 749 Low Risk Acceptable DRB3 Unacceptable DRB3*03:01 2874 High Risk Unacceptable DRB4*01:01 542 Low Risk Acceptable DRB5*01:01 10418 High Risk Unacceptable DRB5*01:01 10418 High Risk Unacceptable DRB5*02:02 5644 High Risk Unacceptable DRB5*02:02 5644 High Risk Acceptable DRB5*02:02 479 Low Risk Acceptable DRB5*02:02 479 Low Risk Acceptable DRB5*02:02 479 Low Risk Acceptable DRB5*02:02 564 Low Risk Acceptable DRB5*03:01 487 Low Risk Acceptable DRB5*03:01 487 Low Risk Acceptable DRB5*03:01 487 Low Risk Acceptable DRB5*03:02 564 Low Risk Acceptable DQB1*02 Acceptable No Need DQB1*03:03 723 Low Risk Acceptable DQB Acceptable No Need DQB1*03:03 723 Low Risk Acceptable DQB Acceptable No Need DQB1*04:01 7295 High Risk Unacceptable DQB1*05 Unacceptable Low Chance DQB1*04:01 7295 High Risk Unacceptable DQB1*05 Unacceptable Low Chance DQB1*04:01 7295 High Risk Unacceptable DQB1*05:01 Unacceptable Low Chance DQB1*05:01 Unacce						<u> </u>	
DRB1*15:01							
DRB1*15:02 5989					DRB1*15	Unacceptable	
DRB1*15:03 5525						<u> </u>	
DRB1*16:01 S609				<u> </u>			
DRB1*16:02 4197 High Risk Unacceptable DRB3*01:01 4105 High Risk Unacceptable DRB3*02:02 749 Low Risk Acceptable DRB3*03:01 2874 High Risk Unacceptable DRB4*01:01 542 Low Risk Acceptable DRB5*01:01 10418 High Risk Unacceptable DRB5*01:01 10418 High Risk Unacceptable DRB5*02:02 5644 High Risk Unacceptable DRB5*02:01 468 Low Risk Acceptable DRB1*02:01 468 Low Risk Acceptable DRB1*03:01 487 Low Risk Acceptable DRB1*03:02 564 Low Risk Acceptable DRB1*03:03 723 Low Risk Acceptable DRB1*03:03 725 High Risk Unacceptable DRB1*04:01 7295 High Risk Unacceptable DRB1*05:01 8076 High Risk Unacceptable DRB1*05:01 Unacceptable DRB1*05:01 Unacceptable DRB1*05:01 Unacceptable DRB1*05:01 Unacceptable DRB1*05:01 Unacceptable Low Chance Low Chance Low Chance Low Chance Low Chance DRB1*05:01 Unacceptable Low Chance Low Chance Low Chance Low Chance DRB1*05:01 Unacceptable Low Chance					DRB1*16	Unaccentable	
DRB3*01:01						Cinacooptable	
DRB3*02:02 749					DRB3	Unaccentable	
DRB3*03:01				<u> </u>	21123	Onacceptable	
DRB4*01:01 542 Low Risk Acceptable DRB4 Acceptable Low Chance DRB5*01:01 10418 High Risk Unacceptable DRB5 Unacceptable Low Chance DRB5*02:02 5644 High Risk Unacceptable DQB1*02 Acceptable No Need DQB1*02:01 468 Low Risk Acceptable No Need DQB1*02:02 479 Low Risk Acceptable No Need DQB1*03:01 487 Low Risk Acceptable DQ7 Acceptable No Need DQB1*03:02 564 Low Risk Acceptable DQ8 Acceptable No Need DQB1*03:03 723 Low Risk Acceptable DQ9 Acceptable No Need DQB1*04:01 7295 High Risk Unacceptable DQ81*04 DQB1*04:02 5857 High Risk Unacceptable DQ81*05 Unacceptable Low Chance DQB1*05:01 8076 High Risk Unacceptable DQ81*05 Unacceptable Low Chance							
DRB5*01:01					DRR/	Accontable	
DRB5*02:02 5644 High Risk Unacceptable DQB1*02:01 468 Low Risk Acceptable No Need DQB1*02:02 479 Low Risk Acceptable No Need DQB1*03:01 487 Low Risk Acceptable DQT Acceptable No Need DQB1*03:02 564 Low Risk Acceptable DQ8 Acceptable No Need DQB1*03:03 723 Low Risk Acceptable DQ9 Acceptable No Need DQB1*04:01 7295 High Risk Unacceptable DQB1*04 DQB1*04:02 5857 High Risk Unacceptable DQB1*05 Unacceptable Low Chance							
DQB1*02:01468Low RiskAcceptableDQB1*02AcceptableNo NeedDQB1*02:02479Low RiskAcceptableNo NeedDQB1*03:01487Low RiskAcceptableDQ7AcceptableNo NeedDQB1*03:02564Low RiskAcceptableDQ8AcceptableNo NeedDQB1*03:03723Low RiskAcceptableDQ9AcceptableNo NeedDQB1*04:017295High RiskUnacceptableDQB1*04UnacceptableLow ChanceDQB1*04:025857High RiskUnacceptableDQB1*05UnacceptableLow ChanceDQB1*05:018076High RiskUnacceptableDQB1*05UnacceptableLow Chance					DKD3	опассертавіе	
DQB1*02:02479Low RiskAcceptableNo NeedDQB1*03:01487Low RiskAcceptableDQ7AcceptableNo NeedDQB1*03:02564Low RiskAcceptableDQ8AcceptableNo NeedDQB1*03:03723Low RiskAcceptableDQ9AcceptableNo NeedDQB1*04:017295High RiskUnacceptableDQB1*04UnacceptableLow ChanceDQB1*04:025857High RiskUnacceptableLow ChanceDQB1*05:018076High RiskUnacceptableDQB1*05UnacceptableLow Chance					DOD4*03	Account	
DQB1*03:01487Low RiskAcceptableDQ7AcceptableNo NeedDQB1*03:02564Low RiskAcceptableDQ8AcceptableNo NeedDQB1*03:03723Low RiskAcceptableDQ9AcceptableNo NeedDQB1*04:017295High RiskUnacceptableUnacceptableLow ChanceDQB1*04:025857High RiskUnacceptableLow ChanceDQB1*05:018076High RiskUnacceptableDQB1*05Unacceptable					טעטו־טע	Acceptable	
DQB1*03:02 564 Low Risk Acceptable DQB1*03:03 723 Low Risk Acceptable No Need DQB1*03:03 723 Low Risk Acceptable No Need DQB1*04:01 To No Need DQB1*04:01 To No Need DQB1*04:02 DQB1*04 Unacceptable Low Chance DQB1*04:02 DQB1*04 Unacceptable Low Chance DQB1*05:01 8076 High Risk Unacceptable DQB1*05 Unacceptable Low Chance					D07		
DQB1*03:03 723 Low Risk Acceptable DQ9 Acceptable No Need DQB1*04:01 7295 High Risk Unacceptable Unacceptable Low Chance DQB1*04:02 5857 High Risk Unacceptable Low Chance DQB1*05:01 8076 High Risk Unacceptable DQB1*05 Unacceptable							
DQB1*04:01 7295 High Risk Unacceptable DQB1*04 Unacceptable Low Chance DQB1*04:02 5857 High Risk Unacceptable Low Chance DQB1*05:01 8076 High Risk Unacceptable DQB1*05 Unacceptable	_						
DQB1*04:02 5857 High Risk Unacceptable Low Chance DQB1*05:01 8076 High Risk Unacceptable DQB1*05 Unacceptable Low Chance	-						
DQB1*05:01 8076 High Risk Unacceptable DQB1*05 Unacceptable Low Chance	-				DQB1*04	Unacceptable	
					D 25.44.5		
DQB1*05:02 9750 High Risk Unacceptable Low Chance					DQB1*05	Unacceptable	
DQB1*05:03 7590 High Risk Unacceptable Low Chance	DQB1*05:03	7590	High Risk	Unacceptable			Low Chance

					Antigen	
Allele	MFI	Risk Level	Allele Acceptance	Antigen	Acceptance	DS Success Rate
DQB1*06:01	7238	High Risk	Unacceptable	DQB1*06	Unacceptable	Low Chance
DQB1*06:02	8461	High Risk	Unacceptable			Low Chance
DQB1*06:03	10607	High Risk	Unacceptable			Low Chance
DQB1*06:04	10475	High Risk	Unacceptable			Low Chance
DQA1*01:01	6419	High Risk	Unacceptable	DQA1*01	Unacceptable	Low Chance
DQA1*01:02	9750	High Risk	Unacceptable			Low Chance
DQA1*01:03	10607	High Risk	Unacceptable			Low Chance
DQA1*01:04	7590	High Risk	Unacceptable			Low Chance
DQA1*02:01	479	Low Risk	Acceptable	DQA1*02	Acceptable	No Need
DQA1*03:01	484	Low Risk	Acceptable	DQA1*03	Acceptable	No Need
DQA1*03:02	519	Low Risk	Acceptable			No Need
DQA1*04:01	7295	High Risk	Unacceptable	DQA1*04	Unacceptable	Low Chance
DQA1*05:01	468	Low Risk	Acceptable	DQA1*05	Acceptable	No Need
DQA1*06:01	5109	High Risk	Unacceptable	DQA1*06	Unacceptable	Low Chance
DPB1*01:01	10109	High Risk	Unacceptable	DPB1*01	Unacceptable	Low Chance
DPB1*02:01	322	Low Risk	Acceptable	DPB1*02	Acceptable	No Need
DPB1*03:01	3730	High Risk	Unacceptable	DPB1*03	Unacceptable	Low Chance
DPB1*04:01	5985	High Risk	Unacceptable	DPB1*04	Unacceptable	Low Chance
DPB1*04:02	252	Low Risk	Acceptable			No Need
DPB1*05:01	8706	High Risk	Unacceptable	DPB1*05	Unacceptable	Low Chance
DPB1*06:01	3065	High Risk	Unacceptable	DPB1*06	Unacceptable	Low Chance
DPB1*09:01	4372	High Risk	Unacceptable	DPB1*09	Unacceptable	Low Chance
DPB1*11:01	7261	High Risk	Unacceptable	DPB1*11	Unacceptable	Low Chance
DPB1*13:01	9796	High Risk	Unacceptable	DPB1*13	Unacceptable	Low Chance
DPB1*14:01	4234	High Risk	Unacceptable	DPB1*14	Unacceptable	Low Chance
DPB1*15:01	5823	High Risk	Unacceptable	DPB1*15	Unacceptable	Low Chance
DPB1*17:01	4213	High Risk	Unacceptable	DPB1*17	Unacceptable	Low Chance
DPB1*18:01	519	Low Risk	Acceptable	DPB1*18	Acceptable	No Need
DPB1*19:01	7016	High Risk	Unacceptable	DPB1*19	Unacceptable	Low Chance
DPB1*28:01	1859	High Risk	Unacceptable	DPB1*28	Unacceptable	Moderate Chance
DPA1*01:03	252	Low Risk	Acceptable	DPA1*01	Acceptable	No Need
DPA1*02:01	10109	High Risk	Unacceptable	DPA1*02	Unacceptable	Low Chance
DPA1*02:02	9503	High Risk	Unacceptable			Low Chance
DPA1*03:01	548	Low Risk	Acceptable	DPA1*03	Acceptable	No Need
DPA1*04:01	8542	High Risk	Unacceptable	DPA1*04	Unacceptable	Low Chance
				_ _		 _

 $\begin{array}{l} DRB1*11:01-DRB1*11:03-DRB1*11:04-DRB3*02:02-DRB4*01:01-DQB1*02:01-DQB1*02:02-DQB1*03:01-DQB1*03:02-DQB1*03:03-DQA1*02:01-DQA1*03:01-DQA1*03:02-DQA1*05:01-DPB1*02:01-DPB1*04:02-DPB1*18:01-DPA1*01:03-DPA1*03:01- \\ \end{array}$

Acceptable Antigens (MFI<=600)

DRB1*04:01-DRB1*04:02-DRB1*04:03-DRB1*04:04-DRB1*04:05-DRB1*10:01-DRB3*03:01-DPB1*28:01-

Candidate Antigens for DS (MFI>700 <3000)

اطلاعات مربوط به حساسیت زدایی آنتی ژن های HLA بر اساس MFI و بررسی های آزمایشگاهی بوده و اندیکاسیونهداخلات درمانی نمی باشد. *** با توجه به حساسیت و اختصاصیت روش لومینکس امکان وجود نتایج مثبتکاذب و منفیکاذب وجود دارد. *** *** توصیه به بررسی مقایسه ای نتاج این گزارش با شرح حال و آزمایشات گذشته بیمار می شود. ***