

# HLA-A\*30:04, a unique feature among **IRANIAN Population**



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### **Introduction:**

HLA-A\*30 is ranked as the eighth allele considering its frequencies (0.037) at HLA-A locus among normal Iranian population. The unique feature of this study falls on this concern that HLA-A\*30:04 is not that common, globally, while it has been found vice versa through our study performed among Iranian population.

#### **Material Methods:**

512 unrelated subjects (2n=1024) chromosomes) formed our sample size and were enrolled in this study. Following that, we analyzed various A\*30 alleles by means of miniature reverse SSO blot method by MR.SPOT automated processor (BAG Health care GmbH).

#### **Results:**

The most common sub-types of HLA-A\*30, known here in Iran, are A\*30:01 (with 0.023 gene frequencies), and A\*30:02 (with 0.0058 gene frequencies). But to our great surprise and based on our findings, we found that among our subjects, A\*30:04 is ranked at the second most common among Iranian population with 0.0078 gene frequencies; whereas based on vivid reports received from other

#### **Discussion:**

So, this leaves no doubt for a demand on more empirical and laboratory research works on these specifications so that it can leads to more achievements and treatments as its consequences.

researches, this specification and character is not so usual and common in the rest of the world (According to ASHI: Common alleles are those that appear with gene frequencies greater than 0.001 in any reference population).

Allels	HLA-A*30	Frequencies
A*30:01	62.8%	0.023
A*30:02	15.8%	0.0058
A*30:04	21.4%	0.0078





