

HLA alleles detectable by the HLA-B1502 RealFast™ Assay

HLA-B1502 RealFast™ Assay (REF 7-630 / 7-633) is designed to be capable of detecting known HLA-B*15:02 alleles and subtypes.

According to the IPD-IMGT/HLA Database^{*)}, our in-silico analysis revealed that the detection of other HLA-B*15 alleles is widely excluded by prevention of amplification and/or abrogated probe binding. Nevertheless, the detection of some rare non-HLA-B*15:02 alleles cannot be excluded due to sequence homologies.

Allele frequencies are available at Allele Frequency Net Database: www.allelefrequencys.net

HLA B*15:02 alleles	Proven or supposed detection by REF 7-630	Association with Carbamazepine hypersensitivity
B*15:02:01 to B*15:02:16	✓	✓

Possible cross-reactivity of non-HLA-B*15:02 alleles based on in-silico analysis
B*15:15, B*15:31, B*15:55, B*15:88, B*15:112, B*15:121, B*15:144, B*15:194, B*15:213, B*15:214, B*15:223, B*15:265, B*15:283, B*15:291, B*15:297, B*15:301, B*15:302N, B*15:319, B*15:325, B*15:328, B*15:330, B*15:341, B*15:345, B*15:357, B*15:358, B*15:374, B*15:384, B*15:425, B*15:437, B*15:438, B*15:454N, B*15:460, B*15:495, B*15:537, B*15:557, B*15:567, B*15:569, B*15:574, B*15:592, B*15:596N, B*15:627, B*15:629, B*15:630, B*15:648, B*15:659, B*15:664, B*15:665, B*15:674, B*15:681, B*15:682, B*15:687, B*15:699, B*15:710, B*15:724

^{*)} IPD-IMGT/HLA Database (www.ebi.ac.uk/ipd/imgt/hla): release 3.59 (2025-01)