

# 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<sup>\*)</sup>, 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](http://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*15:02:12	✓	✓

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

<sup>\*)</sup> IPD-IMGT/HLA Database ([www.ebi.ac.uk/ipd/imgt/hla](http://www.ebi.ac.uk/ipd/imgt/hla)): release 3.47.0 (2022-01)