

Human HLA-B*1502 Gene Nucleic Acid Detection Kit (Fluorescence PCR Method)

Human Leukocyte Antigens (HLA) play a key role in the development of severe immune-mediated adverse drug reactions. HLA-B*1502 is one of the HLA-B locus types. Studies have shown that HLA-B*1502 alleles is strongly correlation with severe skin adverse reactions caused by carbamazepine.

People with the genetic marker HLA-B*1502 have a much higher risk of severe drug eruption and exfoliative dermatitis (SJS/TEN) taking carbamazepine. Therefore, by detecting whether the HLA-B*1502 allele is carried, the risk of SJS/TEN induced by allopurinol in patients can be reduced.

The TianLong Human HLA-B*1502 Gene Nucleic Acid Detection Kit is intended for the qualitative detection of HLA-B*1502 gene nucleic acid by Real-time Polymerase Chain Reaction (Real-time RT-PCR) method. The test is designed to detect the HLA-B*1502 gene in the genomic DNA of human peripheral blood samples.



FEATURES



Accurate Detection
Reliable detection of Human HLA-B*1502 Gene



High Sensitivity
The limit of detection is up to 1ng/μL



Internal Control
The use of internal control system in the kit can effectively prevent false negative results



High Precision
The precision values of intra and inter Ct values are all ≤5%



User-friendly
Widely applicable in instruments with FAM, HEX/VIC, Texas Red fluorescence channels



More Accessible
CE marked, accessible for more countries

DATA INTERPRETATION

Figure 1: Positive standard sample amplification curve

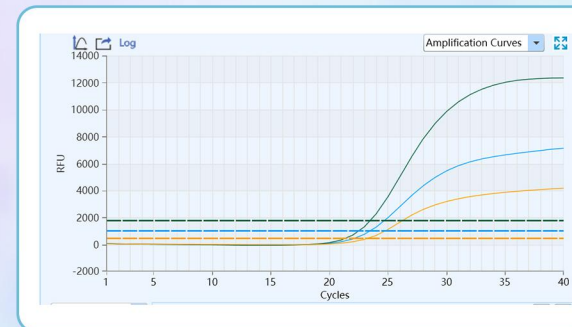
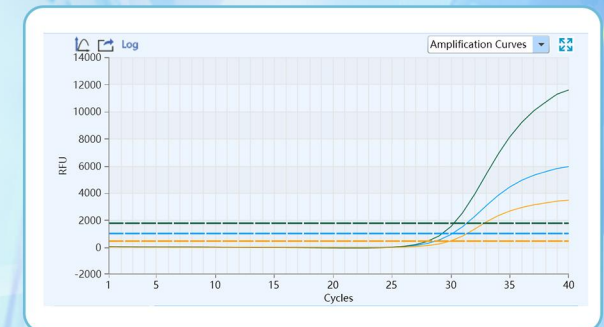


Figure 2: LOD amplification curve



Positive standard: If the Ct values of both the FAM channel and HEX/VIC channel are ≤36, the result can be considered HLA-B*1502 gene nucleic acid Positive.

ORDERING INFORMATION

Product Name	Human HLA-B*1502 Gene Nucleic Acid Detection Kit (Fluorescence PCR Method)
Cat.No	P135H
Specification	25T/Kit
Specimen	Peripheral blood
Target Gene	Human HLA-B*1502 Gene
Sensitivity	1ng/μL
Precision	≤5%
Storage & Validity	-25°C~-15°C for 12 months
Applicable Equipment	Instruments with FAM, HEX/VIC, Texas Red fluorescence channels such as Applied Biosystems™ 7500 Real-Time PCR Systems, Tianlong Gentier Real-time PCR Systems

ASSAY WORKFLOW

