

Human Leukocyte Antigen B27 Nucleic Acid Detection Kit

(Fluorescence PCR Method)

Ankylosing spondylitis (AS) is a rheumatic disease characterized by the involvement of the central axis, peripheral joints, chronic inflammation, and the formation of new bones.

It is more common in adolescents. Severe joint dysfunction can occur within ten years of onset. When the spine, sacroiliac joints, and hip joints develop lesions, the lesions are irreversible. Among them, human leukocyte antigen-B27 (HLA-B27) is considered to have a strong correlation with AS. The positive rate of HLA-B27 in AS patients are as high as 90%.

The kit is used for in vitro quantitative detection of human leukocyte antigen B27 gene in human whole blood samples. It can detect the B2702, B2704, and B2705 subtypes related to AS, but it cannot distinguish between different genotypes. The test results of this kit are for the auxiliary diagnosis of AS.



FEATURES



Wide Coverage

Reliable detection of human leukocyte antigen-B27 (HLA-B27), cover the B2702, B2704, and B2705 subtypes



High Precision

The coefficient of variation (CV%) of Ct value should be no more than 5%



Internal Control

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



User-friendly

Widely applicable in instruments with FAM, VIC (HEX) fluorescence channels



More Accessible

CE marked, accessible for more countries

DATA INTERPRETATION

Figure 1: HLA-B27 amplification curve

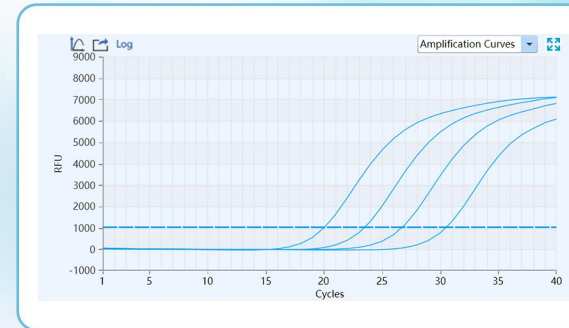
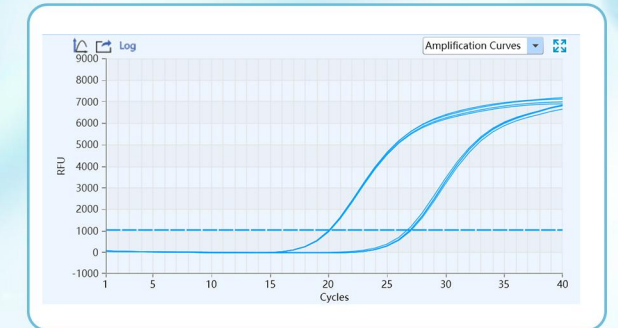


Figure 2: High concentration and low concentration HLA-B27 repetitive amplification curve



HLA-B27 positive standard: If the Ct value of FAM channel ≤ 38.0 , the sample is considered to be HLA-B27 positive.

ORDERING INFORMATION

Product Name	Human Leukocyte Antigen B27 Nucleic Acid Detection Kit (Fluorescence PCR Method)
Cat.No	P118H
Specification	32T/Kit
Specimen	Human whole blood
Sensitivity	500 copies/mL
Precision	$\leq 5\%$
Storage & Validity	$-25^{\circ}\text{C} \sim -15^{\circ}\text{C}$ for 12 months
Applicable Equipment	Instruments with FAM, HEX/VIC fluorescence channels such as ABI7500 real time PCR systems, Tianlong Gentier Real-time PCR Systems

ASSAY WORKFLOW



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