

Custom Human HLA-B Assay (1,000 RXNs)

Product Data Sheet

Cat. No. PCR-CDA-HSA-HLAB-11

Gene Name	NCBI Ref Seq	Sample Compatibility
Major histocompatibility complex, class I, B	NM_005514.8	cDNA (not compatible with DNA)
Concentration	Amplicon Length	Annealing Temp (°C)
20X	89 bp	60
qPCR Efficiency *	qPCR Efficiency Plot R ² *	PCR Product Melting Temperature
104.1%	0.99	~ 86.2 °C

* Empirically found by testing on five 4X serial dilution points (in duplicates) using our EverGreen master mix

This assay is compatible with our SteadyTaq PCR Master Mix (PCR9505) for end-point PCR, and with our EverGreen Universal qPCR Master Mix (PCR5505) for dye-based real-time qPCR. Mix the following components, then follow your master mix manual instructions for the thermal cycler settings:

Component	Volume per reaction	Final concentration
SteadyTaq MM(2X) OR EverGreen MM (2X)	10 µL	1 X
HLA-B assay (20X)	1 µL	1 X
Template cDNA	Variable	10 pg – 100 ng
PCR-grade water	Up to 20 µL	–

This product is intended for research use only. Do not use this product for diagnostic purposes.

For questions, suggestions, or technical support, feel free to email our technical team at support@havensci.com.