

MPL W515A/L/K/R Mutation Detection Kit

Technical Specifications

Intended Use

- Detection and differentiation analysis of W515A, W515L, W515K and W515R mutations on exon 15 located in MPL gene.

Suitable Sample Type

-Whole Blood in tube with EDTA
-Bone Marrow

Test Procedure

-DNA Isolation
-Multiplex RT-qPCR

Analytical Sensitivity

- For each mutant allele, the sensitivity is %0.5 among wild type DNA.

Validated PCR Instruments

- Bio-Rad CFX96
- Life Technologies ABI-7500
- Roche, Light Cycler 480 II
- Qiagen Rotor-Gene® 3000 Q5/Q6
- BioMolecular Systems, MicPCR
- QuantStudio™ 5 Real-Time PCR System

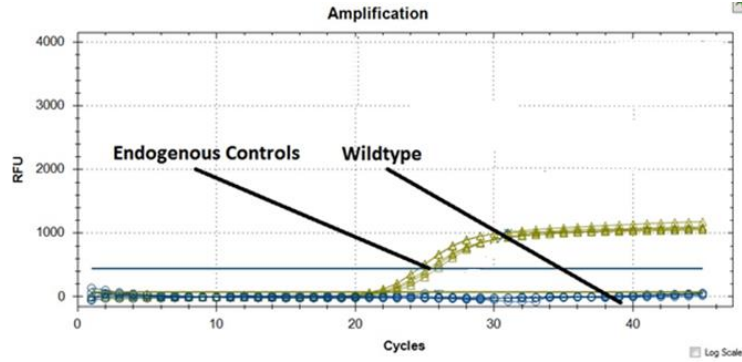
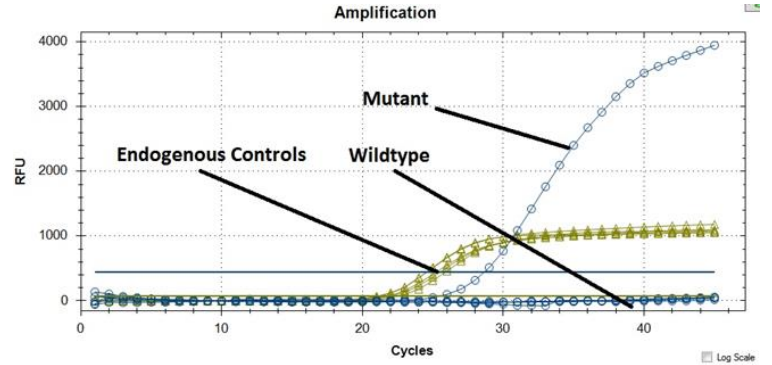
Catalog Number

- MPL-RT25

Contact

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Positive Result
Analysis



Negative
Result
Analysis

- ✓ This kit uses Allele Specific Oligonucleotide (ASO) Real-time PCR based method.
- ✓ W515A, W515L, W515K and W515R mutation on the MPL gene can be detected.
- ✓ Primer probe mixes for W515A, W515L, W515K and W515R are in separate tubes.
- ✓ Master Mix contains Primer probe mix, target gene (mutant), and the endogen gene.
- ✓ The probes present in the kit are double marked hydrolysis probes.
- ✓ The Calibrator and Positive Control found in the kit help obtain results precisely.

GeneMAP™ MPL W515A/L/K/R Mutation Detection Kit is designed specifically for Mutation Analysis with routine RT-qPCR. It is easy to use, cost efficient and compatible with many Real-time PCR instruments.

Contents	Volume
2X Master Mix	500 µl
MPL W515A Mutation Primer Probe Mix	80 µl
MPL W515L Mutation Primer Probe Mix	80 µl
MPL W515K Mutation Primer Probe Mix	80 µl
MPL W515R Mutation Primer Probe Mix	80 µl
ddH2O	500 µl
MPL W515A/L/K/R PC	50 µl

In **GENMARK SAĞLIK URUNLERI**, we aim to create the top quality, time and cost efficient, trust-worthy and user-friendly products. We specialize in in-vitro detection kit production and development which is used for the **diagnosis** and **treatment monitoring** of many diseases connected to genetics, oncology, microbiology and hematological oncology.