

**CERTIFICATE OF ANALYSIS**

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Product Name: anti-Glypican 3 (GC33) Mouse Monoclonal Primary Antibody  
Ventana **REF**: 790-4564  
Roche Number: 06483186001  
Batch Number: F02381

Test	Acceptance Criteria	Result
Functional Staining on Glypican 3 (GC33) positive hepatocellular carcinoma tissue	Test lot slide must score 3 or greater on hepatocellular carcinoma tissue on a scale of 0-4+	PASS
	Test lot slide must score 0 on normal liver tissue	PASS
	Specific stain intensity must score within 0.5 pt. of the reference lot	PASS
	Background intensity must score within 0.5 of the negative control slide	PASS
	Intensity of the negative reagent control slide must be 0.5 or less	PASS
Visual Inspection	Reagent must be free of foreign material and substantially free of particulate matter	PASS
	Reagent must be clear and free of turbidity	PASS
Bioburden	Visible bacterial colonies must be less than or equal to 100 CFU/mL	PASS

This lot met the specifications.

Expiry date: 2017-04-28

Manufacture date: 10-APR-2015

Guadalupe Villarreal

*Guadalupe Villarreal GV*

*29 APR 2015*

**Quality Department**

**Date**