

Genotype	95% Confidence interval (ng/ml)	Tukey-Kramer HSD	Shapiro-Wilk's Test	
			W	p value
Wild type	471.8±49.1	a	0.932145	0.4967
IGHD II	45.6±36.0	b	0.947342	0.5578
20 Rescue	412.0±127.0	a	0.804221	0.1246
25 Rescue	338.9±167.0	a	0.905374	0.4028
Wild type	470.0±138.4	a	0.979934	0.7285
IGHD II	50.0±34.1	b	0.930937	0.4921
20 Rescue	405.4±65.6	a	0.968142	0.6573
25 Rescue	396.0±121.8	a	0.866832	0.2866

Microscopy equipment and settings

Fluorescent immunohistochemistry images were acquired with a Zeiss LSM510 Meta Laser Scanning microscope (Fig. 3c) with the following settings: 8bit multitrack scan mode, pixel time 1.60µs and with Objective Plan Neofluar 40x/1.3 OIL DIC, filter Ch3: LP 560. The resolution was 512x512 and wavelength 543nm, 28%. The stacks were acquired with LSM510 software and the z-projections were made with NIH Image J within which the contrast was equally adjusted. The images were orientated in Adobe Photoshop.