

# HALO™ Analysis Report

Friday, September 15, 2023  
03:31:22 PM

**Image:** HALO\_B1\_R5\_Circle\_Br8667A\_Fused.tif

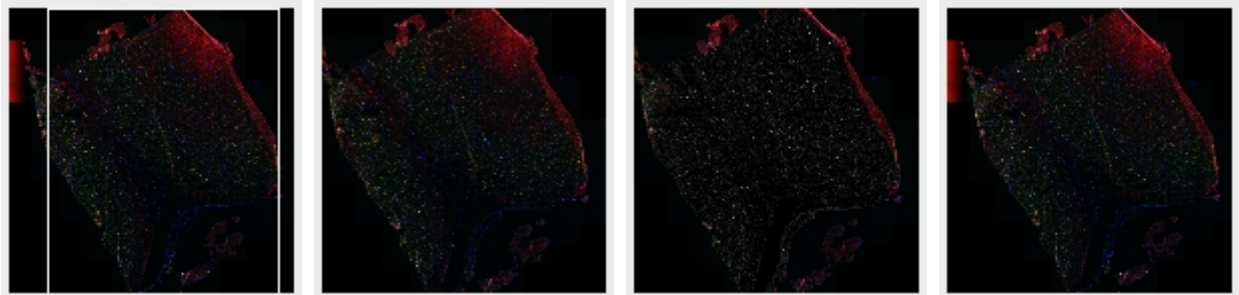
**Algorithm:** Indica Labs - FISH-IF v2.1.5

**Setting:** Decon\_AKT3\_Circle\_Cyto\_Nuc\_Copyintensity\_FINAL\_R5\_SMC4

**Analysis Region:** Layer 2

**Analyzed:** Friday, September 15, 2023 3:30 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	39335	Avg AKT3 (Opal 570) Copies Per Cell	7.064269
GAD1 (Opal 690) Positive Cells	5783	Avg CLDN5 (Alexa 488) Copies Per Cell	2.186857
DAPI (DAPI) Positive Cells	37235	Avg GFAP (Alexa 594) Area Per Cell (µm²)	8.130162
GAD1 (Opal 690) Positive Nuclei Cells	5579	Avg AKT3 (Opal 570) Area Per Cell (µm²)	14.865973
DAPI (DAPI) Positive Nuclei Cells	37235	Avg CLDN5 (Alexa 488) Area Per Cell (µm²)	2.098270
Negative Nuclei Cells	1971	Avg GFAP (Alexa 594) Cell Intensity	2.575804
GAD1 (Opal 690) Positive Cytoplasm Cells	4453	Avg AKT3 (Opal 570) Cell Intensity	39.659035
DAPI (DAPI) Positive Cytoplasm Cells	2311	Avg CLDN5 (Alexa 488) Cell Intensity	0.983994
Negative Cytoplasm Cells	32754	Avg GFAP (Alexa 594) Copies Per µm²	0.003715
DAPI/AKT3 Cells	34175	Avg AKT3 (Opal 570) Copies Per µm²	0.006733
GAD1/AKT3 Cells	2630	Avg CLDN5 (Alexa 488) Copies Per µm²	0.002084
GFAP/AKT3 Cells	14417	% GFAP (Alexa 594) 0+	47.797127
CLDN5/AKT3 Cells	2302	% GFAP (Alexa 594) 1+	24.258295
GAD1 Cells	2666	% GFAP (Alexa 594) 2+	14.277361
GFAP Cells	15273	% GFAP (Alexa 594) 3+	6.213296
CLDN5 Cells	2384	% GFAP (Alexa 594) 4+	7.453921
% GAD1 (Opal 690) Positive Cells	14.701920	% GFAP (Alexa 594) Positive	52.202873
% DAPI (DAPI) Positive Cells	94.661240	GFAP (Alexa 594) H-Score	101.268593
% GAD1 (Opal 690) Positive Nuclei Cells	14.183297	% AKT3 (Opal 570) 0+	8.419982
% DAPI (DAPI) Positive Nuclei Cells	94.661240	% AKT3 (Opal 570) 1+	25.313334
% GAD1 (Opal 690) Positive Cytoplasm Cells	11.320706	% AKT3 (Opal 570) 2+	39.166138
% DAPI (DAPI) Positive Cytoplasm Cells	5.875175	% AKT3 (Opal 570) 3+	17.261980
% DAPI/AKT3 Positive Cells	86.881912	% AKT3 (Opal 570) 4+	9.838566
% GAD1/AKT3 Positive Cells	6.686157	% AKT3 (Opal 570) Positive	91.580017
% GFAP/AKT3 Positive Cells	36.651836	AKT3 (Opal 570) H-Score	194.785812
% CLDN5/AKT3 Positive Cells	5.852294		
% GAD1 Positive Cells	6.777679		
% GFAP Positive Cells	38.828014		



% CLDN5 Positive Cells	6.060760	% CLDN5 (Alexa 488) 0+	93.621460
GAD1 (Opal 690) Avg Positive Nuclei Intensity	6.862935	% CLDN5 (Alexa 488) 1+	0.000000
DAPI (DAPI) Avg Positive Nuclei Intensity	52.145805	% CLDN5 (Alexa 488) 2+	0.073726
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	3.478219	% CLDN5 (Alexa 488) 3+	1.131308
DAPI (DAPI) Avg Positive Cytoplasm Intensity	15.210601	% CLDN5 (Alexa 488) 4+	5.173510
Total GFAP (Alexa 594) Copies	153331	% CLDN5 (Alexa 488) Positive	6.378543
Total AKT3 (Opal 570) Copies	277873	CLDN5 (Alexa 488) H-Score	24.235415
Total CLDN5 (Alexa 488) Copies	86020	Total Cell Area ( $\mu\text{m}^2$ )	5695100.500000
Total GFAP (Alexa 594) Area ( $\mu\text{m}^2$ )	319799.937500	Avg Cell Area ( $\mu\text{m}^2$ )	144.784546
Total AKT3 (Opal 570) Area ( $\mu\text{m}^2$ )	584753.000000	Avg Cytoplasm Area ( $\mu\text{m}^2$ )	111.579903
Total CLDN5 (Alexa 488) Area ( $\mu\text{m}^2$ )	82535.460938	Avg Nucleus Area ( $\mu\text{m}^2$ )	33.204651
Avg GFAP (Alexa 594) Copies Per Cell	3.898081	Avg Nucleus Perimeter ( $\mu\text{m}$ )	25.596504
		Avg Nucleus Roundness	0.756116
		Area Analyzed ( $\mu\text{m}^2$ )	41270468.000000