

# HALO™ Analysis Report

Friday, September 15, 2023  
03:38:23 PM

**Image:** HALO\_B1\_R5\_Circle\_Br8325M\_Fused.tif

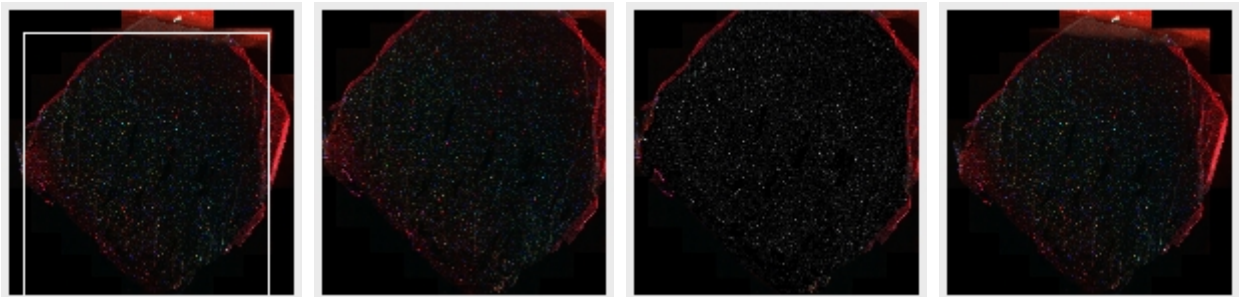
**Algorithm:** Indica Labs - FISH-IF v2.1.5

**Setting:** Decon\_AKT3\_Circle\_Cyto\_Nuc\_Copyintensity\_FINAL\_R5\_SMC3

**Analysis Region:** Layer 4

**Analyzed:** Friday, September 15, 2023 3:36 PM

1.



ReferenceFrame

NoAnalysis

Markup

Image

Result Name	Value	Result Name	Value
Total Cells	33785	Avg AKT3 (Opal 570) Copies Per Cell	6.277371
GAD1 (Opal 690) Positive Cells	5333	Avg CLDN5 (Alexa 488) Copies Per Cell	3.522895
DAPI (DAPI) Positive Cells	31949	Avg GFAP (Alexa 594) Area Per Cell (µm²)	2.938570
GAD1 (Opal 690) Positive Nuclei Cells	5058	Avg AKT3 (Opal 570) Area Per Cell (µm²)	13.288282
DAPI (DAPI) Positive Nuclei Cells	31949	Avg CLDN5 (Alexa 488) Area Per Cell (µm²)	3.203276
Negative Nuclei Cells	1660	Avg GFAP (Alexa 594) Cell Intensity	1.108940
GAD1 (Opal 690) Positive Cytoplasm Cells	4407	Avg AKT3 (Opal 570) Cell Intensity	31.467344
DAPI (DAPI) Positive Cytoplasm Cells	753	Avg CLDN5 (Alexa 488) Cell Intensity	1.585300
Negative Cytoplasm Cells	28730	Avg GFAP (Alexa 594) Copies Per µm²	0.001302
DAPI/AKT3 Cells	30112	Avg AKT3 (Opal 570) Copies Per µm²	0.005582
GAD1/AKT3 Cells	3896	Avg CLDN5 (Alexa 488) Copies Per µm²	0.003132
GFAP/AKT3 Cells	5270	% GFAP (Alexa 594) 0+	75.429924
CLDN5/AKT3 Cells	2910	% GFAP (Alexa 594) 1+	13.896700
GAD1 Cells	3938	% GFAP (Alexa 594) 2+	5.606038
GFAP Cells	5809	% GFAP (Alexa 594) 3+	2.512949
CLDN5 Cells	3102	% GFAP (Alexa 594) 4+	2.554388
% GAD1 (Opal 690) Positive Cells	15.785111	% GFAP (Alexa 594) Positive	24.570076
% DAPI (DAPI) Positive Cells	94.565636	GFAP (Alexa 594) H-Score	42.865177
% GAD1 (Opal 690) Positive Nuclei Cells	14.971141	% AKT3 (Opal 570) 0+	6.322332
% DAPI (DAPI) Positive Nuclei Cells	94.565636	% AKT3 (Opal 570) 1+	31.857332
% GAD1 (Opal 690) Positive Cytoplasm Cells	13.044250	% AKT3 (Opal 570) 2+	40.867249
% DAPI (DAPI) Positive Cytoplasm Cells	2.228800	% AKT3 (Opal 570) 3+	12.813378
% DAPI/AKT3 Positive Cells	89.128311	% AKT3 (Opal 570) 4+	8.139707
% GAD1/AKT3 Positive Cells	11.531745	% AKT3 (Opal 570) Positive	93.677666
% GFAP/AKT3 Positive Cells	15.598639	AKT3 (Opal 570) H-Score	184.590790
% CLDN5/AKT3 Positive Cells	8.613290		
% GAD1 Positive Cells	11.656060		
% GFAP Positive Cells	17.194021		



% CLDN5 Positive Cells	9.181589	% CLDN5 (Alexa 488) 0+	90.389229
GAD1 (Opal 690) Avg Positive Nuclei Intensity	6.271993	% CLDN5 (Alexa 488) 1+	0.000000
DAPI (DAPI) Avg Positive Nuclei Intensity	45.035912	% CLDN5 (Alexa 488) 2+	0.023679
GAD1 (Opal 690) Avg Positive Cytoplasm Intensity	3.427575	% CLDN5 (Alexa 488) 3+	1.317153
DAPI (DAPI) Avg Positive Cytoplasm Intensity	14.648242	% CLDN5 (Alexa 488) 4+	8.269942
Total GFAP (Alexa 594) Copies	49458	% CLDN5 (Alexa 488) Positive	9.610774
Total AKT3 (Opal 570) Copies	212081	CLDN5 (Alexa 488) H-Score	37.078587
Total CLDN5 (Alexa 488) Copies	119021	Total Cell Area ( $\mu\text{m}^2$ )	5036587.500000
Total GFAP (Alexa 594) Area ( $\mu\text{m}^2$ )	99279.570313	Avg Cell Area ( $\mu\text{m}^2$ )	149.077621
Total AKT3 (Opal 570) Area ( $\mu\text{m}^2$ )	448944.625000	Avg Cytoplasm Area ( $\mu\text{m}^2$ )	114.410950
Total CLDN5 (Alexa 488) Area ( $\mu\text{m}^2$ )	108222.671875	Avg Nucleus Area ( $\mu\text{m}^2$ )	34.666664
Avg GFAP (Alexa 594) Copies Per Cell	1.463904	Avg Nucleus Perimeter ( $\mu\text{m}$ )	25.665087
		Avg Nucleus Roundness	0.786843
		Area Analyzed ( $\mu\text{m}^2$ )	37995884.000000