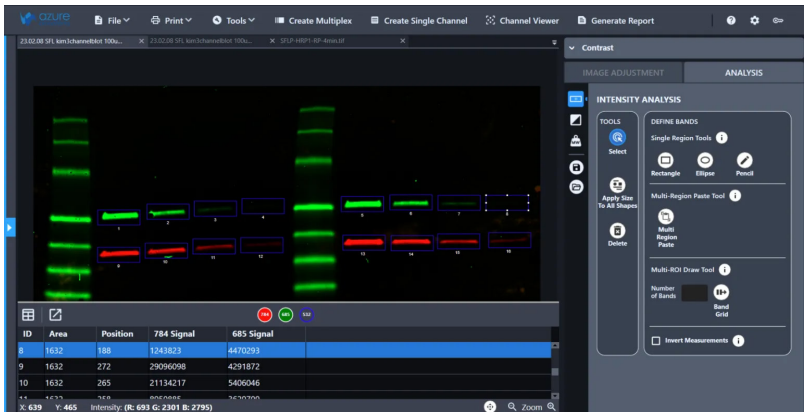
AZURESPOT Q

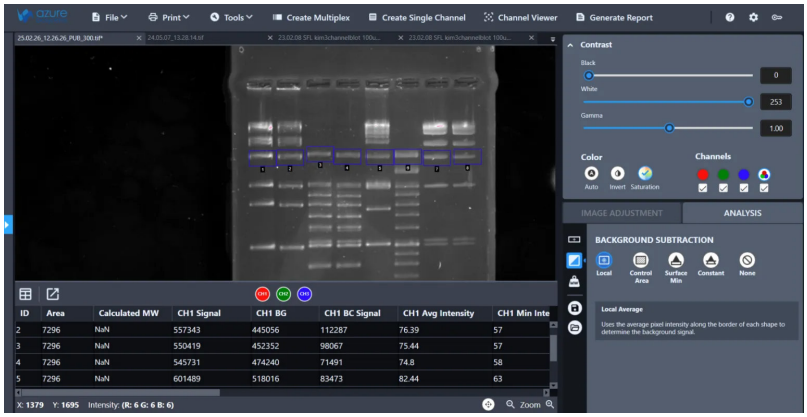
ANALYSIS OF 1D GELS AND WESTERN BLOTS | BAND AND REGION ANALYSIS

AzureSpot Q removes the subjectivity of manual quantification, allowing you to focus on your discovery while the software handles the complexity of 1D densitometry and multiplex analysis.

ANALYSIS & QUANTITATIVE TOOLS

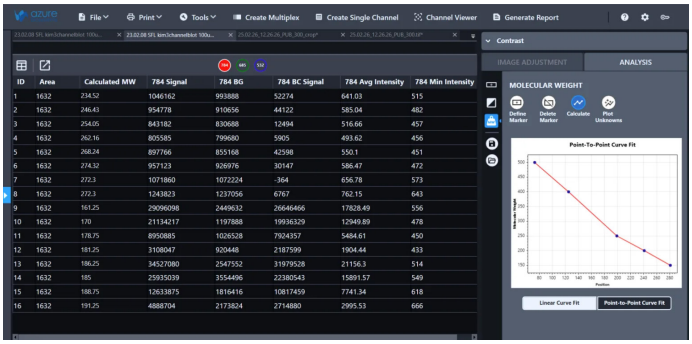
- **Area/Shape Analysis:** Utilize flexible tools designed for the precise quantification of bands, spots, and irregular regions of interest.
- **Advanced Background Subtraction:** Ensure signal calculations are clean and accurate using multiple validated methods, including **Rolling Ball, Edge, or Minimum Profile.**
- **Multiplex Analysis:** Simultaneously analyze up to **4 channels** on a single blot. View individual channels in grayscale or utilize combined pseudocolor images to resolve co-migrating bands or investigate post-translational modifications.





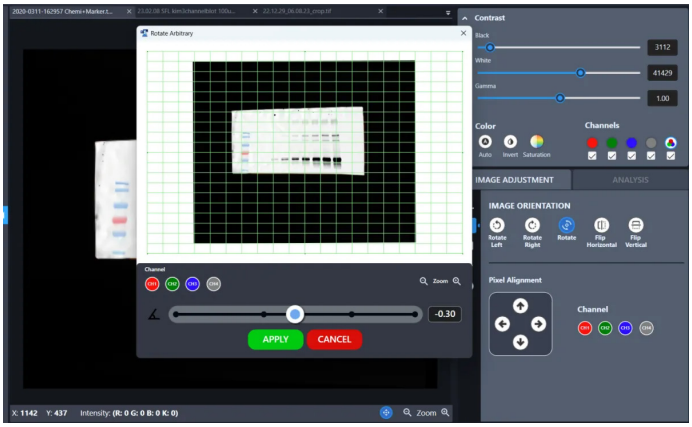
ENSURE DATA ACCURACY

- **Saturation Detection:** Protect the quantitative integrity of your data with integrated alerts that identify pixels outside the linear dynamic range.
- **Molecular Weight Calibration:** Automatically calculate molecular weights by generating standard curves using molecular weight standards.



PUBLICATION-READY FIGURES & REPORTING

- **Image Adjustment:** Fine-tune your visualization with dedicated tools for cropping, alignment, and contrast adjustment.
- **Full Annotation Suite:** Customize your images for manuscripts and presentations by adding text, arrows, shapes, and symbols directly onto the blot or gel image to highlight experimental conditions.
- **Seamless Exporting:** Generate detailed PDF reports for lab notebooks or export raw data directly to spreadsheets for further processing.



	Windows System Requirements
Operating System:	Windows 10 or later
Processor:	Intel®-based CPU
Memory:	8 GB RAM
Storage:	2 GB available disk space
	.NET 4.8 Desktop Runtime

Part Number	Name	Description
AC2400	AzureSpot Q	Image analysis software for area analysis and molecular weight determination.

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