



## DEVICES AND METHODS FOR LABEL-FREE SENSING OF LYMPHOCYTE ACTIVATION AND IDENTITY

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### The Invention

UW-Madison researchers have developed a unique inherent fluorescent image-based classifiers for B cell and NK cell activation. The specific autofluorescence signatures are used to identify B cell activation with at least 92% accuracy and NK cell activation with at least 86% accuracy. This allows for label-free sensing of B cell and NK cell activation for CAR B and CAR NK cell production, and for immune reactivity studies.

### Additional Information

#### For More Information About the Inventors

- [Melissa Skala](#)

#### Tech Fields

- [Analytical Instrumentation, Methods & Materials : Microscopy](#)

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