# SYNENTEC

Antibody Binding (1F)

GENERAL PURPOSE

The *Antibody Binding (1F)* operator is used to carry out a categorization of cells with a very weak fluorescence signal, for example to quantify the productivity of a particular cell line relative to a target by antibody staining. The image analysis detects and counts fluorescent objects in a fluorescence channel and determines their intensity. The number of objects does not have to match the number of cells, several fluorescent spots per cell can be counted or directly adjacent ones as one object. If the intensities should be related to cells, we recommend a different operator, e.g. *Suspension Cell Count (1F)* or *Cell Confluence (1F)* depending on your application.
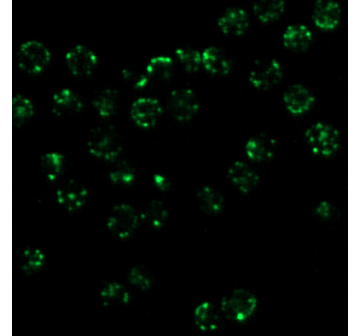
RESULT TABLE

Nuclei Count	Number of detected objects
Evaluated Area	Analyzed area per well in mm²
Mean Intensity	Average fluorescence intensity of the detected objects above background level per well
Total Intensity	Intensity sum of all detected objects per well

EXAMPLE

This example shows the detected FITC-conjugated monoclonal antibodies against the B-cell marker CD20, which applies in B-cell derived lymphomas and leukemia but also in B-cell mediated autoimmune disorders.