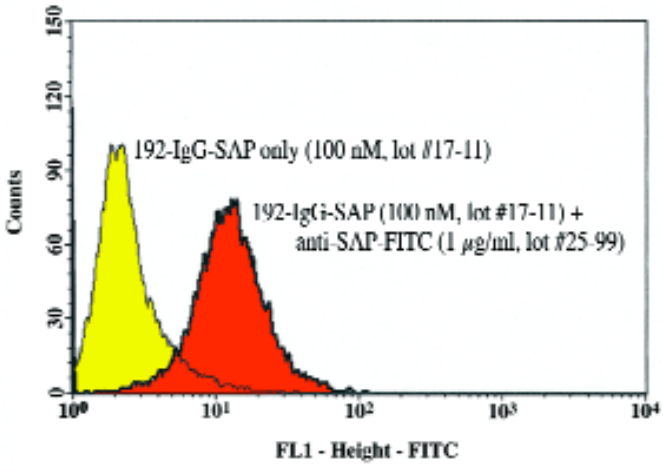
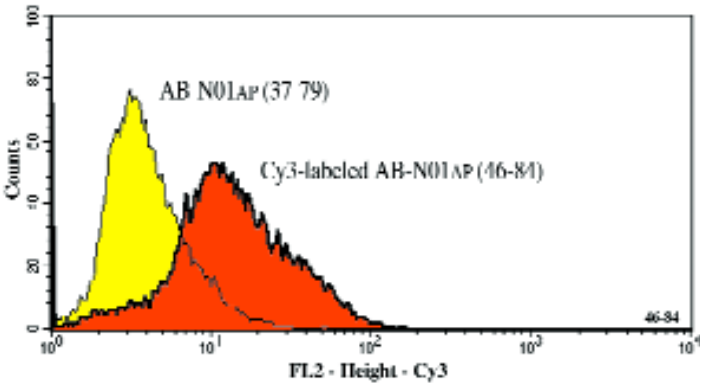
Targeting Tools: Featured Products

Fluorescent Conjugates

Antibodies conjugated to fluorescent dyes are vibrant and vital tools at a scientist's disposal. ATS currently has six fluorescent conjugates in our catalog: Cy3-labeled 192-IgG (Cat. #FL-01), FITC-labeled Anti-Saporin (Cat. #FL-02), Alexa 488-labeled 192-IgG (Cat. #FL-03), FITC-labeled Goat anti-rabbit IgG (Cat. #FL-04), Cy3-labeled anti-NGFr (Cat. #FL-05), and Cy5-labeled anti-NGFr (Cat. #FL-06). ATS also offers custom conjugations. Let us know which dye you want to use and we'll label your antibody.



C6 cells were fixed and incubated with 100 nM 192-IgG-SAP for one hour. After washing, cells were incubated with FITC-labeled Anti-SAP (Cat. #FL-02) at 1 μg/ml for 30 minutes. Samples were run on a FACScan (Becton Dickinson). Data analysis was performed using CellQuest.



NG3 cells, a rat-mouse hybrid neuroblastoma cell line, were incubated with anti-NGFr antibody or Cy3-labeled antibody (Cat. #FL-05) and incubated at 4°C. Cells were analyzed by flow cytometry on a BD FACScan, and data produced using CellQuest software. A concentration of 4 μg of conjugate per one million cells provided a 33% shift compared to the antibody alone.

Fluorescent conjugates can shed new light on your research. For example, FITC-labeled Anti-Saporin (Cat. #FL-02) can be used to verify binding specificity of a targeted toxin to a cell line expressing the target molecule. By first binding the targeted toxin to fixed cells, then binding FITC-labeled Anti-SAP to the targeted toxin, specificity can be confirmed through the use of competing molecules or a control cell line.

Gangsta sighs and settles in, "Alright, I've found a nice comfy position here on your lap. Don't even think about getting up for a snack!"

Flow Cytometry Service

Cytometry Research, LLC, a subsidiary of ATS, provides flow cytometry services (analysis, sorting, and assays) to the research community. Visit them on the web to find out more and to schedule an appointment. Data will be emailed to you within 24 hours of receipt of samples.

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