

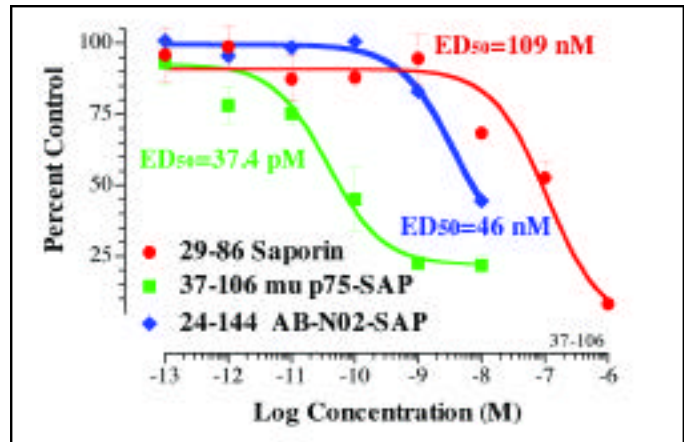
Targeting Tools: Featured Products

mu p75-SAP

Improved

We have re-designed the anti-murine p75-Saporin targeted toxin (mu p75-SAP, Cat. #IT-16) and have produced a conjugate that is much more potent in our *in vitro* cell cytotoxicity assays. Previously, we used a rat monoclonal antibody. This antibody had been outperformed by our rabbit polyclonal AB-N01, in several assays, especially FACS analysis of murine p75-expressing cells. This is an important indicator of being able to bind to the cell surface, which is fundamental for a targeted toxin. We still consider the rat monoclonal (AB-N02) to be an important antibody since it provides an alternative to the rabbit polyclonal.

To create this toxin, we have affinity-purified the rabbit polyclonal with the immunogen bound to a solid support, and conjugated the affinity-purified antibody to saporin. As can be seen in the cytotoxicity assay on the right, the new mu p75-SAP is orders of magnitude more potent than the previous conjugate. We believe that the greater potency will translate to smaller amounts used for elimination of p75-positive neurons in the mouse brain, and that this will result in a greater index of efficacy and lesser non-specific cytotoxicity.

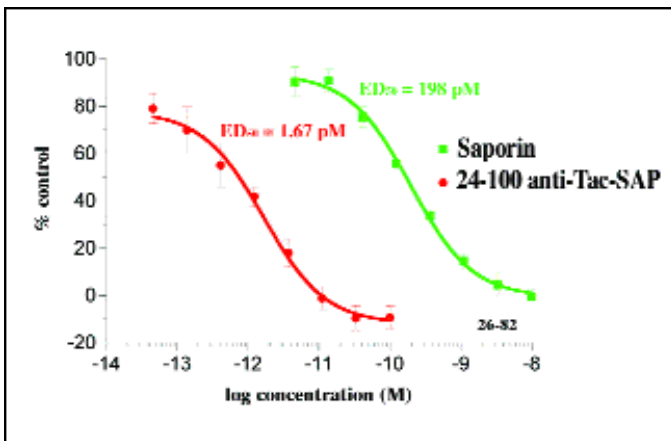


NG3 cells are plated at 1000 cells/well and incubated overnight. Saporin, mu p75-SAP(conjugate of the affinity-purified rabbit polyclonal to mouse NGFR and saporin), and AB-N02-SAP are added in 10 µl volumes and the plates are incubated 72 hours. PMS/MTS developing reagent is added and the plates are incubated 1-2 hours, then read at 490 nm.

Anti-Tac (CD25)-SAP

NEW!

Advanced Targeting Systems has introduced important new toxins for investigation into cells that express the interleukin-2 (IL-2) receptor and especially the workings of the immune system. Anti-CD25-saporin (Anti-Tac-SAP) conjugates are directed to the human IL-2 receptor or to the mouse IL-2 receptor. This marker for activated T lymphocytes allows removal of this important group of cells and determination of their function in numerous important biological responses. The graph below shows the potent cytotoxic activity of the anti-human CD25-saporin toxin (anti-Tac-SAP, Cat. #IT-24).



Cytotoxicity of anti-Tac-SAP and of non-conjugated saporin (Saporin) to SR cells in culture. Cells were plated at 5000 cells/well and allowed to acclimate. Samples were added at the indicated concentrations and cells were incubated for 72 hours. MTS (Promega) was added and, after color development, wells were read with a Molecular Dynamics SpectraMax 340. ED50's of each compound are color-coded. Data analysis is by PRISM (GraphPad).

mu p75-SAP Pricing

IT-16-50	50 micrograms	\$350 (\$600)
IT-16-100	100 micrograms	\$700 (\$1100)
IT-16-250	250 micrograms	\$1400 (\$2600)

Kits (pricing in parentheses) include equal amounts of saporin and antibody

Spring Cleaning?

Gangsta's solution to the Spring Cleaning bug - find a nice warm spot for a nap!



Anti-Tac-SAP (human) Pricing

IT-24-25	25 micrograms	\$200 (\$300)
IT-24-100	100 micrograms	\$700 (\$900)
IT-24-250	250 micrograms	\$1400 (\$1800)

Kits (pricing in parenthesis) include equal amounts of saporin and antibody

Anti-Tac-SAP (mouse) Pricing

IT-29-25	25 micrograms	\$200 (\$300)
IT-29-100	100 micrograms	\$700 (\$900)
IT-29-250	250 micrograms	\$1400 (\$1800)

Kits (pricing in parenthesis) include equal amounts of saporin and antibody

Visit the ATS website for a complete list of products.