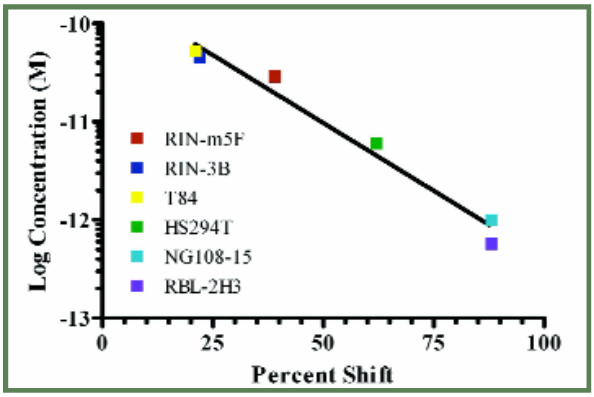
Targeting Tools: Featured Products

CTB-SAP



The percent shift as determined by flow cytometry staining with CTB-FITC was plotted against the log concentration of the ED_{50} in moles/L of CTB-SAP for six cell lines. RIN 3B and RIN-m5F are rat insulinoma cell lines; T84 is a human colon carcinoma cell line; NG108-15 is a rat-mouse hybrid neuroblastoma/glioma cell line; RBL-2H3 is a rat basophilic leukemic cell line; HS294T is a human melanoma cell line. The plotted data show a distinct correlation between the number of CTB binding sites and the ED_{50} of CTB-SAP. Data were analyzed by Prism (GraphPad).

CTB-SAP is a conjugate between the cell-binding component of cholera toxin (the B chain) and saporin. CTB binds to GM1 (monosialotetrahexosylganglioside), which is present on the surface of different neurons. It has been suggested to be involved in many problems (besides the most famous in the gut: cholera) of neuronal systems: Parkinson's, motor neuron degeneration, spinal cord injury, and Alzheimer's disease among others.

As seen in the figure, the cytotoxicity is dependent on the quantity of GM1 on the cell surface, from little effect at zero expression to pM ED_{50} at high expression. The use of this conjugate has recently been the subject of several studies, and is providing use to researchers in many fields.

Hug-M-ZAP NEW!

This secondary conjugate (molecular weight 210 kDa) recognizes YOUR human monoclonal IgM antibody. Hug-M-ZAP (IT-43) is a chemical conjugate of affinity-purified goat anti-human IgM and the ribosome-inactivating protein, saporin. Hug-M-ZAP uses your primary human monoclonal IgM antibody to target and eliminate cells and can be used to evaluate the potential of a primary antibody to internalize.

Also try our other Secondary Antibody Conjugates:

Anti-M-ZAP (IT-30)	Mab-ZAP (IT-04)
Goat-ZAP (IT-36)	Rab-ZAP (IT-05)
Hum-ZAP (IT-22)	Rat-ZAP (IT-26)

Summer's almost here.

Gotta work on my tan!