

Targeting Talk: Anti-IgM-ZAP

by Dr. Douglas Lappi

Q: We were wondering how an IgM primary antibody might work in a Mab-ZAP assay. I realize that the conjugated antibody is an anti-IgG whole molecule antibody. However there may well be aspects/epitopes shared in common between IgG and IgM that might render an IgM primary useful with the Mab-ZAP reagent... or not? Has anyone looked at this with your products?

A: We do believe, but have not confirmed, that you will see a cross-reactivity, but at a lower level. We do sell a second immunotoxin for IgM's, Anti-M-ZAP (Cat. #IT-30) which is made from a goat anti-murine IgM.

Anti-M-ZAP

(Cat. #IT-30)

A "second" immunotoxin that relies on your antibody for cytotoxicity to target cells.

Elimination of Specific Cell Type

- Cells that internalize your mouse monoclonal IgM antibody will be eliminated.
- *
- Potency may vary according to the specificity and affinity of YOUR antibody to ITS receptor.
- *
- Anti-M-ZAP is most effective in determining specificity of your antibody and suitability for conjugation as a primary immunotoxin.

Experimental Biology
April 18-22
New Orleans, LA
Booth #218



Amer Assoc Cancer Research
April 18-22
Denver, CO
Booth #1760

Targeting Teaser Winners

The solution to the puzzle was:

Jumbles: AMOEBA
GRANULAR
PROTEIN
CULTURE
INCUBATOR

Answer: The . . .BIG PICTURE



Congratulations to the puzzle solvers from our last newsletter. Each winner receives \$100 credit towards research product purchases from Advanced Targeting Systems.

WINNERS: Glenn Kageyama, Cal Poly Pomona Univ, Pomona, CA * Sophie Lopen, Methodist Hospital Res Inst, Houston, TX * Caroline Kent, Mayo Clinic, Jacksonville, FL * Aamir Ahmad, Karmanos Cancer Inst, Detroit, MI * Kumuda Saraff, Cal State Univ, Northridge, CA * April Price, Univ California, San Francisco, CA * Thea Marlinga, Libertyville, IL

Featured Antibodies

NGFr (mu p75) Rabbit Polyclonal

Cat. #AB-N01, 100 µl or affinity-purified Cat. #AB-N01AP, 50 µg

Recognizes p75^{NTR} in mouse. The antisera was developed in rabbit using an extracellular fragment from the mouse p75 receptor (amino acids 43-161). The antibody was affinity-purified using the extracellular domain of p75.

Applications: immunohistochemistry (frozen or paraffin-embedded cells and tissue; 1:150), immunoprecipitation, immunoblotting (1:2,000), flow cytometry (1:1,000), and blocking the function of NGFr (1:1,000).

NGFr (ME20.4, p75) Mouse Monoclonal

Cat. #AB-N07, 100 µg

Recognizes the p75^{NTR} (low affinity neurotrophin receptor) in human, primate, rabbit, sheep, dog, cat, and pig. It was derived from immunization of mice with WM245 melanoma cells.

Applications: flow cytometry (1:100), immunoprecipitation, immunohistochemistry (frozen), electron microscopy (1:200), immunocytochemistry (10 ng/ml), and radioimmunoassay.