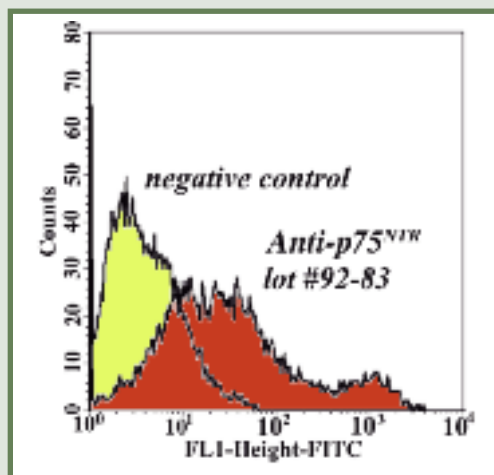


Targeting Talk: Product Questions



4 μ g of AB-N07 and subsequently with Anti-murine IgG-FITC (Cat. #FL-07). This assay shows the binding affinity of AB-N07 to cells known to express p75^{NTR}.

Q: We have a publication in review and put this statement in the paper, "The mouse monoclonal antibody to the low affinity nerve growth factor receptor (p75^{NTR}; Advanced Targeting Systems) was derived from immunization of mice with WM245 melanoma cells and recognizes p75^{NTR} in human, primate, rabbit, sheep, dog, cat, and pig. According to the manufacturer's information, the antibody was tested by flow cytometry." One of the reviewers wants to know more about the flow cytometry used to characterize this antibody (Cat. #AB-N07). Can you help, please?

A: This antibody is routinely tested by flow cytometry. The quality control flow data can be found on the data sheet on our website. HS294T cells, human metastatic melanoma cells, were used in flow cytometry with Anti-p75^{NTR} (ME20.4, Cat. #AB-N07). Cells were treated with

Q&A Products

anti-p75^{NTR} (AB-N07)

Lauric Acid Polyclonal, conjugated (AB-T183)

Q: Does AB-T183 (Lauric Acid Rat Polyclonal, Conjugated) recognize lauric acid alone, or does it need to be conjugated to something (a protein carrier)?

A: This antibody targets conjugated Lauric Acid. It does not recognize free lauric acid. Antisera was preabsorbed on protein carriers and ammonium sulfate-purified. Using a conjugate Lauric acid-Gluteraldehyde-Protein Carrier (PC), antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

Compounds	Cross-Reactivity Ratios
Lauric acid-PC	1
Caprylic acid-PC	1/300
Myristic acid-PC	1/400
Palmitic acid-PC	1/>50,000
Caproic acid-PC	1/>50,000
Oleic acid-PC	1/>50,000

Send a message on our website to get answers to your targeting questions.

Usage: Applications include immunohistochemistry (1/500-1/2,000) and immunocytochemistry. Controls: Lauric Acid, conjugated, Cat. #AG-183

Targeting Topics: Recent Scientific References

(continued from page 4)

Implication of Cerebral Dopamine-beta Hydroxylase for Cardiovascular and Mood Regulation in Rats.

Chang ST, Liu YP, Huang CL, Wang PY, Tung CS.
Chin J Physiol 56(4)2013.

The ascending fibers affected by norepinephrine are involved in a variety of processes, including emotion, anxiety, and regulation of central autonomic outflows such as cardiovascular

regulation and energy balance. The authors examined whether the loss of norepinephrine would cause autonomic failure in cardiovascular regulation. Rats received a single intraventricular injection of anti-DBH-SAP (Cat. #IT-03). Saporin (Cat. #PR-01) was used as a control. The results demonstrate that norepinephrine deficits in the brain influence reduction of excitatory responses to orthostatic stress.

Suggest It . . .

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