

NPT Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2313
Host	Mouse
Isotype	Mouse IgG2a
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of NPT expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	Others
Concentration	N/A
Full name	N/A
Synonyms	N/A

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Neomycin phosphotransferase II (nptII) gene is used in selection of transformed organisms. It was initially isolated from the transposon Tn5 that was present in the bacterium strain Escherichia coli K12. The gene codes for the aminoglycoside 3'-phosphotransferase (denoted aph(3')-II or NPTII) enzyme. NPTII is probably the most widely used selectable marker for plant transformation. It is also used in gene expression and regulation studies in different organisms in part because N-terminal fusions can be constructed that retain enzymatic activity. In animal cells, G418 and neomycin are used as selectable agents.

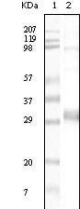
Recommended Dilution

WB: 1:500 - 1:2000

ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using NPT mouse mAb against truncated NPT recombinant protein.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.