Anti-DNP Human IgG1 Monoclonal Antibody (Clone: DNP.m2) | Catalog PA007159.h1

Chimeric anti-DNP antibodies with the human antibody constant regions good as in vitro diagnostic (IVD) raw materials. Low or no specific binding to human, mouse, and rat samples tested. The antibody variable regions were not humanized in the human antibody versions.

Product Specifications

Catalog No.	PA007159.h1
Product Name	Recombinant Anti-DNP Monoclonal Antibody, Human IgG1 Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	Anti-Dinitrophenyl Monoclonal Antibodies, DiNitroPhenyl Hapten
Summary	The In vivo Grade Recombinant Anti-DNP Human IgG1 Monoclonal Antibody was produced in mammalian cells.
Clone	DNP.m2
Isotype	Human IgG1, kappa
Specificity	Dinitrophenyl (DNP).

Properties & Storage

Applications	ELISA.
Formulation	0.2 μM filtered solution of 1x PBS.
Endotoxin	Less than 1 EU/mg of protein as determined by LAL method.
Purity	>95% by SDS-PAGE under reducing conditions.
Shipping	The In vivo Grade Recombinant Anti-DNP Human IgG1 Monoclonal Antibody is shipped with ice pack. Store immediately at recommended temperature.
Storage	1 month from date of receipt, 2 to 8°C as supplied. 3 months from date of receipt, -20°C to -70°C as supplied. Avoid repeated freeze-thaw cycles.

Background & Description

The recombinant anti-DNP monoclonal antibody, human IgG1 (a chimeric antibody with mouse antibody variable regions and human antibody constant regions) was produced in mammalian cells.

Combined with the anti-DNP monoclonal antibody, the dinitrophenyl (DNP) hapten is an excellent alternative to biotin for use in applications requiring biotin-free systems. The anti-DNP antibody may recognize the DNP hapten for detection of DNP conjugated proteins and nucleic acids. Primary or secondary probes or antibodies labeled with DNP can be detected using the recombinant anti-DNP monoclonal antibodies.

The recombinant anti-DNP monoclonal antibodies and DNP-BSA can also be used for C-Line in the antigen test strip and the antibody test strip. Because most of the samples for the test strip are from human, an anti-DNP antibody with the human IgG1 constant region has the advantage of lower background or false positive signal.