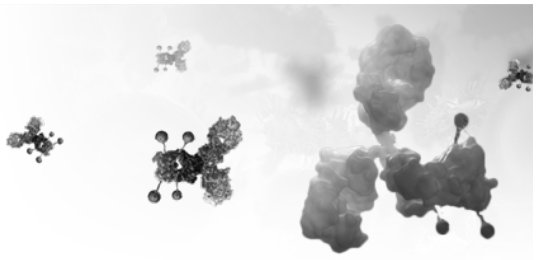

Anti-IgG1 kappa monoclonal antibody, clone MP-NL-3 [Biotin] (DMAB-L21204)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rat anti Mouse IgG1 Kappa Light Chain antibody (biotin)
Antigen Description	There are two types of light chain in mammals, the kappa chain; encoded by the immunoglobulin kappa locus on chromosome 2, and the lambda chain; encoded by the immunoglobulin lambda locus on chromosome 22. Antibodies are produced by B lymphocytes, each expressing only one class of light chain. Once set, light chain class remains fixed for the life of the B lymphocyte.
Specificity	Murine
Immunogen	Mouse IgG1 kappa light chain antibody (biotin) was raised in rat using murine IgG kappa as the immunogen.
Isotype	IgG1
Source/Host	Rat
Species Reactivity	Bovine, Dog, Pig, sheep
Clone	MP-NL-3
Affinity Constant	1 x 10^9 l/mol
Conjugate	Biotin
Applications	IC
Size	0.5 mg
Buffer	PBS with 0.1% NaN3 and 50% glycerol.

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Preservative	0.1% Sodium Azide
Storage	Aliquot and store at -20 °C. Avoid repeated Freeze/Thaw cycles

BACKGROUND

Introduction	Immunoglobulin G (IgG) is an antibody isotype. It is a protein complex composed of four peptide chains—two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. Each IgG has two antigen binding sites. Representing approximately 75% of serum immunoglobulins in humans, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells.
Keywords	IgG1; Immunoglobulin G1

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