In vivo Grade Recombinant Anti-biotin Antibody, Human IgG1 Kappa | Catalog PA007522.h1

Recombinant anti-biotin antibodies and mutants good for in vitro and in vivo studies. The variable regions were not humanized in the human antibody versions.

Product Specifications

Catalog No.	PA007522.h1
Product Name	In vivo Grade Recombinant Anti-biotin Antibody, Human IgG1 Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	Biotin; Vitamin H; Vitamin B7
Clone	F1.
Isotype	Human IgG1 kappa.
Specificity	Biotin.

Properties & Storage

Applications	ELISA, Western Blot (WB), Flow Cytometry (Flow), Immunoprecipitation (IP), IHC (P), IHC (F), and in vivo animal model research.
Formulation	0.2 µM filtered solution of 1x PBS.
Endotoxin	< 1 EU per 1 mg of the protein by the LAL method.
Purity	>95% by SDS-PAGE under reducing conditions.
Shipping	Shipped with ice pack. Store immediately at recommended temperature.
Storage	12 months from receipt at -20 to -70°C; 1 month at 2 to 8°C. Avoid freeze-thaw cycles.

Background & Description

Anti-biotin antibody is an antibody that specifically binds to biotin, a small vitamin (vitamin B7) involved in various metabolic processes. These antibodies are typically raised in animals by immunizing them with biotin conjugated to a carrier protein, as biotin alone is too small to elicit a strong immune response.

Anti-biotin antibodies are widely used in research and biotechnology, particularly in techniques like ELISA, Western blotting, or immunohistochemistry, where biotin's strong affinity for proteins like streptavidin or avidin is exploited. The in vivo grade recombinant anti-biotin antibody (human IgG1 kappa) of Syd Labs was produced in mammalian cells.