In vivo Grade Recombinant Anti-biotin Antibody, Mouse IgG2a Kappa | Catalog PA007522.m2a

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.m2a
Product Name	In vivo Grade Recombinant Anti-biotin Antibody, Mouse IgG2a Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	Biotin; Vitamin H; Vitamin B7
Clone	F1.
Isotype	Mouse IgG2a 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	The in vivo grade recombinant anti-biotin antibodies (clone of F1) is 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

The in vivo grade recombinant anti-biotin antibody, Mouse IgG2a Kappa was produced in mammalian cells. Recombinant mouse anti-biotin antibodies recognize biotin (vitamin B7) attached to proteins, peptides, nucleic acids, or solid matrices, and can be offered in fluorophore and enzyme-conjugated versions.

The anti-biotin monoclonal antibody can be used as a second-step reagent in various applications for detecting biotinylated targets. The biotin-streptavidin system is widely used in immunoassay signal amplification techniques because streptavidin binds biotin with extremely high affinity.

Because biotin is naturally present in a large variety of biological samples, it may affect the results of biotin-based assays, such as reduced sensitivity, false negatives or false positives. Streptavidin/biotin blocking kit, avidin/biotin blocking system, or biotin blockers are used to block signals from endogenous avidin, biotin and biotin-binding proteins in tissues when used with biotin-based IHC detection.