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Llama IgG2 Isotype Control, Affinity Purified

Catalog No.	CMH045	**Quantity:**	0.5 mg

Alternate Names: Llama IgG2 isotype, Llama IgG2 subclass isotype, Llama IgG2a, IgG2b, IgG2c

Description: In old world camelids (Camelus bactrianus and Camelus dromedarius) and new world camelids (Lama pacos, Lama glama and Lama vicugna), heavy-chain-only immunoglobulins belong to the IgG2 and IgG3 subclasses of gamma chain antibodies. Such antibodies are homodimers of heavy chains that lack the CH1 domain of conventional antibodies and therefore do not interact with light chains, exhibiting a lower molecular weight ~100 kDa.

Llama IgG2 isotype control can be utilized as a control or standard reagent in experiments where determination of sample isotype is important.

Specificity: No known specificity.

Conjugate: Unconjugated

Isotype: Llama IgG2

Concentration 1.0 mg/ml by modified Lowry

Formulation: Sterile-filtered 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% Sodium Azide

Purity: Llama IgG2 isotype control (which consists of IgG2a, IgG2b and IgG2c isotypes) has been prepared from llama serum by multiple chromatography steps using a combination of protein A and protein G chromatography. Coomassie stained SDS-PAGE of non-reduced llama IgG2 shows a band of ~100 kDa whereas the reduced form exhibits ~46 kDa. No bands corresponding to llama IgG1 or IgG3 are observed.

Applications: ELISA, Flow Cytometry, Western Blot

Storage & Stability: Store vial at -20°C prior to opening for up to 1 year. Aliquot contents and freeze at -20°C or below for extended storage. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use.
Avoid cycles of freezing and thawing.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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