

Llama IgG3 Isotype Control, Affinity Purified

Catalog No.	CMH046	Quantity:	0.5 mg
Alternate Names:	Llama IgG3 isotype, Llama IgG3 subclass isotype		
Description:	<p>In old world camelids (<i>Camelus bactrianus</i> and <i>Camelus dromedarius</i>) and new world camelids (<i>Lama pacos</i>, <i>Lama glama</i> and <i>Lama vicugna</i>), 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.</p> <p>Llama IgG3 isotype control can be utilized as a control or standard reagent in experiments where determination of sample isotype is important.</p>		
Specificity:	No known specificity.		
Conjugate:	Unconjugated		
Isotype:	Llama IgG3		
Concentration	1.10 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, 25% (v/v) glycerol		
Purity:	Llama IgG3 isotype control 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 IgG3 shows a band of ~100 kDa whereas the reduced form exhibits ~43 kDa. No bands corresponding to llama IgG1 or IgG2 are observed.		
Applications:	ELISA, Flow Cytometry, Western Blot		
Storage & Stability:	<p>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.</p> <p>Avoid cycles of freezing and thawing.</p>		

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

