

ARG11071 Llama IgG Isotype Control antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Llama Polyclonal antibody as a negative control antibody for Llama IgG
Tested Application	ELISA, FACS, SDS-PAGE, WB
Host	Llama
Clonality	Polyclonal
Isotype	IgG
Target Name	Llama IgG
Conjugation	Un-conjugated

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	FACS	Assay-dependent
	SDS-PAGE	Assay-dependent
	WB	Assay-dependent

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Buffer	0.015M Potassium Phosphate (pH 7.2), 0.01125M NaCl, 0.01% (w/v) Sodium azide and 25% Glycerol.
Preservative	0.01% (w/v) Sodium azide
Stabilizer	25% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background	Comparative studies of 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>) have shown that heavy-chain-only immunoglobulins represent between 35% - 70% of total IgG in the sera of all species. Such antibodies are homodimers of heavy chains that lack the CH1 domain of conventional antibodies and therefore do
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not interact with light chains, exhibiting a lower molecular weight ~100 kDa. In llama and all other species of camelids, these heavy-chain-only immunoglobulins belong to the IgG2 and IgG3 subclasses of gamma chain antibodies. All gamma chain camelid antibodies exhibiting the more conventional assembly of two light and two heavy chains with molecular weight ~150 kDa, belong to the IgG1 subclass.