



**Product Data Sheet**

Llama IgG (Control, non-immune, isotype control, ELISA grade)

**Cat#** 20030-1      **Size:** □ 1 mg      **Form:** □ Liquid      □ Lyophilized      **Storage:** Store at -20oC

**Description**

A healthy non-immunized population of Llamas were used to collect serum. IgG was prepared by ammonium sulfate, and column chromatography (Sephadex, and DEAE-ion exchange columns). The resulting preparation was judged to be >80% pure by IEP.

**Form and Storage**

The normal Llama IgG is provided as liquid (1 mg/ml in PBS pH 7.4 + sodium azide as preservative) or in lyophilized form. The product should be **stored at 4°C** for short term and -20oC for long term storage. It is stable for a minimum of 1 year. Do not store diluted solutions.

The **lyophilized products** should be dissolved in PBS, pH 7.4 (1 mg/ml by gentle rocking or vortexing at room temperature. Centrifuge the IgG solution briefly (10,000 g, 15 min) to remove any particulate matter. It should be aliquoted and stored frozen for long term use.

**Suggested Uses**

This preparation of normal Llama IgG is suitable for coating the ELISA plates or as a non-immune control for ELISA, dot blot, Western or IHC. Recommended testing concn. is approx. 1-10 ug/ml. It is, however, possible that this preparation may be unsuitable for some antigens or cell/tissue extracts and may give slightly higher background. Switching to another preparation from different Ferret or vendor may alleviate this problem. The purified IgG may have some residual Ferret IgM or IgA.

*This product is for in vitro research use only.*

**MSDS:** A Material Safety Data Sheet is not required for this product. The product does not contain any hazardous components above 1% or any carcinogens above 0.1% as defined in 29 CFR 1910.1200, the OSHA Hazard Communication Standard. The product contains natural purified proteins in a buffer containing 0.1% or less sodium azide. MSDS can be consulted for these items. Please note that although the product is defined as not hazardous, it is still advisable to follow prudent laboratory practices when handling laboratory reagents.

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, diagnostic, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals.

**Related items available**

Catalog#	ProdDescription
20030-1	Llama IgG (Control, non-immune, isotype control, ELISA grade)
30817-A	Anti-Llama IgG (H+L chain) IgG, unconjugated, aff pure
30817-APC	Anti-Llama IgG (H+L chain)-APC conjugate
30817-B	Anti-Llama IgG (H+L chain)-Biotin conjugate
30817-GAF-BLK	Anti-Llama IgG (H+L chain), Affinity Purified (Bulk)
30817-Gas-BLK	Anti-Llama IgG (H+L chain), Antisera (Bulk)
30817-HP	Anti-Llama IgG (H+L chain) IgG-HRP Conjugate
30817-RPE	Anti-Llama IgG (H+L chain)-RPE conjugate
30818-RAF-BLK	Llama IgG (H+L chain), Affinity Purified (Bulk)
30818-RAS-BLK	Llama IgG (H+L chain), Antisera (Bulk)
30840-B	Anti-Llama IgG (heavy chain)-Biotin Conjugate
30840-F	Anti-Llama IgG (heavy chain)-FITC Conjugate
30840-HP	Anti-Llama IgG (heavy chain)-HRP Conjugate
30840-UL	Anti-Llama IgG (heavy chain), Affinity Purified
30845-B	Anti-Llama IgG (light chain)-Biotin Conjugate
30845-F	Anti-Llama IgG (light chain)-FITC Conjugate
30845-HP	Anti-Llama IgG (light chain)-HRP Conjugate
30845-UL	Anti-Llama IgG (light chain), Affinity Purified
NLLS-1	Normal Llama serum (non-immunized, control, adult mixed sex)

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