

Datasheet for ABIN1981271

**Mouse anti-Camel IgG1 (Heavy & Light Chain) Antibody (HRP)**[Go to Product page](#)

1 Image

2 Publications

## Overview

Quantity:	250 µL
Target:	IgG1
Binding Specificity:	Heavy & Light Chain
Reactivity:	Llama, Camel
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	HRP
Application:	Immunoassay (IA)

## Product Details

Immunogen:	Llama IgG1 (H&L)
Clone:	Cam27-7
Isotype:	IgG1
Specificity:	Specific to the IgG1 subclass of Old World and New World Camelids
No Cross-Reactivity:	Chicken, Rabbit, Sheep (Ovine), Goat, Mouse (Murine), Rat (Rattus), Human
Purification:	Protein A affinity column

## Target Details

Target:	IgG1
Abstract:	<a href="#">IgG1 Products</a>

## Target Details

Target Type: Antibody

Molecular Weight: 150 kDa

## Application Details

Application Notes: ELISA: 2-10 µg/mL

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PBS, pH 7.4, 0.01 % gentamicin sulfate

Preservative: Gentamicin sulfate

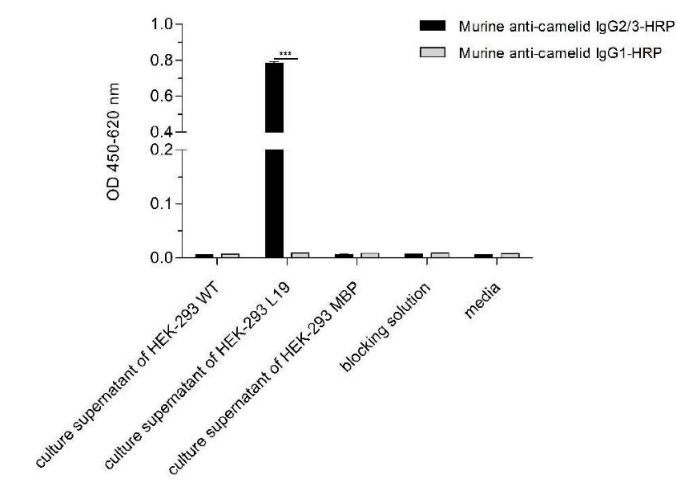
Precaution of Use: This product contains gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

## Publications

Product cited in: Czarnecka, Weichelt, Rödiger, Hanack: "Novel Anti Double-Stranded Nucleic Acids Full-Length Recombinant Camelid Heavy-Chain Antibody for the Detection of miRNA." in: **International journal of molecular sciences**, Vol. 23, Issue 11, (2022) ([PubMed](#)).

Holzlohner, Butze, Maier, Hebel, Schliebs, Micheel, Fünér, Heidicke, Hanack: "Generation of murine monoclonal antibodies with specificity against conventional camelid IgG1 and heavy-chain only IgG2/3." in: **Veterinary immunology and immunopathology**, Vol. 197, pp. 1-6, (2018) ([PubMed](#)).



## ELISA

**Image 1.** The culture supernatant of transfected HEK-293 cells was checked for the production of secreted L19. A murine anti-camelid IgG1/2/3 antibody (5 µg/mL) was coated onto the solid phase. Bound L19 antibodies were detected by the secondary HRP-labeled murine anti-camelid IgG2/3 and IgG1 antibodies (1:1000) discriminating between camelid IgG subclasses. The statistical significances between the different groups detected by two secondary antibodies were determined by an unpaired t-test with \*\*\*  $p < 0.001$  ( $n = 3$ ). Source: PMID35682952