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# Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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## Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

## Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand


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Datasheet for 613-4128

# Sheep IgG (H&L) Antibody Pre-Adsorbed

## Overview

| | |
|---|---|
| **Description:** | Rabbit Anti-Sheep IgG (H&L) Antibody (Min X Human Serum Proteins) - 613-4128 |
| **Item No.:** | 613-4128 |
| **Size:** | 1.5 mg |
| **Applications:** | ELISA |
| **Reactivity:** | Sheep |
| **Host Species:** | Rabbit |

## Product Details

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| **Background:** | Anti-Sheep IgG (H&L) generated in rabbit detects sheep Immunoglobulin G. Both the Heavy and Light chains of the antibody molecule are present. Representing approximately 75% of serum immunoglobulins, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. |
| **Synonyms:** | rabbit anti-Sheep IgG pre-adsorbed antibody |
| **Host Species:** | Rabbit |
| **Specificity:** | IgG (H&L) |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Reactivity:** | Sheep |
| **Immunogen:** | Sheep IgG whole molecule |

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| **Purity/Specificity:** | This product was prepared from monospecific antiserum by immunoaffinity chromatography using Sheep IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Sheep IgG and Sheep Serum. No reaction was observed against Human Serum Proteins. |

## Application Details

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| **Tested Applications:** | ELISA |
| **Application Note:** | Anti-Sheep IgG antibody has been tested by ELISA and is suitable for use in ELISA, immunohistochemistry, and western blot. Specific conditions for reactivity should be optimized by the end user. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **ELISA:** | 1:20,000 - 1:200,000 |
| **IHC:** | 1:1,000 - 1:5,000 |
| **WB:** | 1:2,000 - 1:10,000 |

## Formulation

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| **Physical State:** | Liquid (sterile filtered) |
| **Concentration:** | 1.4 mg/mL by UV absorbance at 280 nm |
| **Buffer:** | 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2 |
| **Preservative:** | 0.01% (w/v) Sodium Azide |
| **Stabilizer:** | None |

## Shipping & Handling

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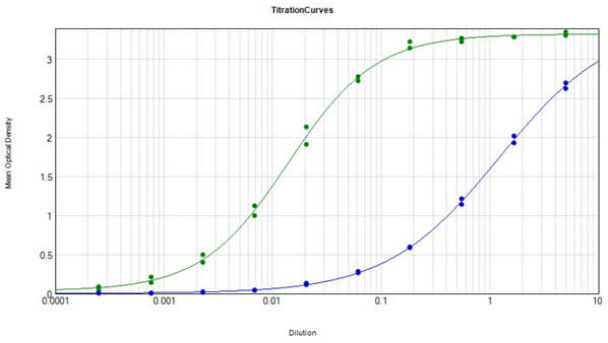
|---|---|
| **Shipping Condition:** | Wet Ice |
| **Storage Condition:** | Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. |
| **Expiration:** | Expiration date is one (1) year from date of receipt. |

## Images




**ELISA**
ELISA Results of Rabbit Anti-Sheep IgG Antibody (Min X Human Serum Proteins) tested against purified Sheep IgG MX Hu. Each well was coated in duplicate with 1.0 µg of Sheep IgG (p/n 013-0102) [Green Line] and Human IgG (p/n 009-0102) [Blue Line]. The working dilution of Sheep IgG MX Hu is 1:71,000. The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using HRP Conjugation Stabilizer (p/n MB-076), Goat Anti-Rabbit IgG HRP conjugated (p/n 611-103-122) and TMB substrate (p/n TMBE-1000).

## References


- Sato M et al. Morphological analysis of the hindbrain glucose sensor-hypothalamic neural pathway activated by hindbrain glucoprivation. *Endocrinology.* (2021)
- Minabe S et al. Inducible Kiss1 knockdown in the hypothalamic arcuate nucleus suppressed pulsatile secretion of luteinizing hormone in male mice. *J Reprod Dev.* (2020)
- Nakamura S et al. Neonatal Kisspeptin is Steroid-Independently Required for Defeminisation and Peripubertal Kisspeptin-Induced Testosterone is Required for Masculinisation of the Brain: A Behavioural Study Using Kiss1 Knockout Rats. *J Neuroendocrinol.* (2016)


## Disclaimer