

## Datasheet for 616-4102

**Donkey IgG (H&L) Antibody****Overview**

<b>Description:</b>	Rabbit Anti-Donkey IgG (H&L) Antibody - 616-4102
<b>Item No.:</b>	616-4102
<b>Size:</b>	2 mg
<b>Applications:</b>	ELISA
<b>Reactivity:</b>	Donkey
<b>Host Species:</b>	Rabbit

**Product Details**

<b>Background:</b>	Anti-Donkey IgG Antibody generated in rabbit detects donkey IgG. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsonization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F (ab) region possessing the epitope-recognition site. Both heavy and light chains of the antibody molecule are present.
<b>Synonyms:</b>	rabbit anti-Donkey IgG Antibody, rabbit anti Donkey IgG Antibody
<b>Host Species:</b>	Rabbit
<b>Specificity:</b>	IgG (H&L)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Reactivity:</b>	Donkey
<b>Immunogen:</b>	Donkey IgG whole molecule

**Purity/Specificity:** This product was prepared from monospecific antiserum by immunoaffinity chromatography using Donkey 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, Donkey IgG, and Donkey Serum.

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## Application Details

<b>Suggested Applications:</b>	ELISA (Based on references)
<b>Application Note:</b>	Anti-Donkey IgG antibody is suitable for ELISA, western blot, and immunohistochemistry, as well as other assays requiring lot-to-lot consistency.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:20,000 - 1:100,000
<b>IHC:</b>	1:1,000 - 1:5,000
<b>WB:</b>	1:2,000 - 1:10,000

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## Formulation

<b>Physical State:</b>	Liquid (sterile filtered)
<b>Concentration:</b>	2.239 mg/mL by UV absorbance at 280 nm
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Sodium Azide
<b>Stabilizer:</b>	None

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## Shipping & Handling

<b>Shipping Condition:</b>	Wet Ice
<b>Storage Condition:</b>	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.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

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## References

- Wang Y et al. Enhancing the Stability of COVID-19 Serological Assay through Metal-Organic Framework Encapsulation. *Adv Healthc Mater.* (2021)

## Disclaimer

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