

Product Datasheet

Rat IgG (H&L) Antibody Alkaline Phosphatase Conjugated (orb347893)

Description	Rat IgG (H&L) antibody (Alkaline Phosphatase)
Species/Host	Donkey
Reactivity	Rat
Conjugation	AP
Tested Applications	ELISA, IHC, WB
Immunogen	Rat IgG whole molecule
Preservatives	0.01% (w/v) Sodium Azide
Form/Appearance	Liquid (sterile filtered)
Concentration	1.0 mg/mL
Storage	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
Note	For research use only
Application notes	This product has been assayed against 1.0 ug of Rat IgG in a standard capture ELISA using pNPP p-nitrophenyl phosphate code # NPP-10 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:12,000 is suggested for this product.
Isotype	IgG
Clonality	Polyclonal
Antibody Type	Secondary Antibody

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Purity	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat 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-Alkaline Phosphatase (calf intestine), anti-Donkey Serum, Rat IgG and Rat Serum.
Dilution Range	ELISA: 1:2,000 - 1:10,000, IHC: 1:200 - 1:1,000, WB: 1:500 - 1:2,500
Expiration Date	12 months from date of receipt.



Western Blot of Anti-Rat IgG (H&L) (DONKEY) Antibody (Min X Bv Ch Gt GP Ham Hs Hu Ms Rb & Sh Serum Proteins) (p/n orb347888). Lane M: 3 μ l Molecular Ladder. Lane 1: Rat IgG whole molecule (p/n orb2652744). Lane 2: Rat IgG F(c) Fragment (p/n orb346338). Lane 3: Rat IgG Fab Fragment (p/n orb346340). Lane 4: Rat IgM Whole Molecule (p/n orb346341). Lane 5: Rat Serum. All samples were reduced. Load: 50 ng per lane. Block: orb348637 for 30 min at RT. Primary Antibody: Anti-Rat IgG (H&L) (DONKEY) Antibody (Min X Bv Ch Gt GP Ham Hs Hu Ms Rb & Sh Serum Proteins) (p/n orb347888) 1:10000 for 60 min at RT. Secondary Antibody: Anti-Donkey IgG (GOAT) Peroxidase Conjugated Antibody (p/n orb347994) 1:40000 in orb348637 for 30 min at RT. Predicted/Observed Size: 25 and 55 kDa for Rat IgG and Serum, 25 kDa for F(c) and Fab, 78 and 25 kDa for IgM. Rat F(c) migrates slightly higher.

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