



Qty: 1.5 mg/1 ml

ZyMax™
Rabbit anti-Goat IgG (H+L)
HRP Conjugate

Catalog No. 81-1620

Lot No.

HRP-Rabbit Anti-Goat IgG (H+L) Conjugate (ZyMax™ Grade)

FORM

This ZyMax™ antibody conjugate is supplied in a proprietary conjugate stabilizing solution containing 40% glycerol, and 0.1% proclin as a preservative. Purified antibody is conjugated with highly purified Horseradish Peroxidase (RZ > 3.0).

SPECIFICITY

Prior to conjugation, this polyclonal antibody was raised in rabbits against the whole goat IgG molecule and purified by antigen-affinity-chromatography. It reacts strongly with goat IgG heavy and light chains. This antibody has been absorbed with human serum proteins so reactivity with human IgG is minimal or absent.

USAGE

ZyMax™ grade reagents offer enhanced assay sensitivity, higher titers, and greater flexibility in assay design, than standard grade reagents. This HRP conjugate is recommended as a secondary reagent for ELISA, Western blotting and immunohistochemistry. Working concentrations for specific applications should be determined by the investigator. Optimal dilutions will be affected by several factors, including: primary antibody affinity, sensitivity of detection method, antigen concentration, temperature and length of incubations. We recommend the following ranges as starting points.

	ELISA:	1:5,000 to 1:20,000
Western blot (standard protocol):		1:2,000 to 1:10,000
Western blot (with chemiluminescence):		1:5,000 to 1:20,000
Immunohistochemistry:		1:200 to 1:500

PROCEDURES

Invitrogen has recommended procedures for ELISA, immunoprecipitation and other applications available on our Web site at www.invitrogen.com/methods. You may also obtain assistance from our Technical Service department at (800) 955-6288. Another good source of information about immunoassay procedures is Ed Harlow & David Lane's Antibodies, A Laboratory Manual, Cold Spring Harbor Laboratory (1988).

STORAGE

Store at 2-8°C. This product can also be safely stored at -20°C and will not freeze. It is guaranteed to perform as stated if used before the expiration date printed on the bottle.

SELECTED INVITROGEN PRODUCT REFERENCE

Reference cite Invitrogen's standard grade product--ZyMax™ antibodies may be used at considerably higher dilutions.

Western Blot
Ohishi, K. et al., *J Immunol.* 154:3173-3179 (1995).

(81-1620 continued)

www.invitrogen.com

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RELATED PRODUCTS

Product	Form	Cat. No.
Rabbit anti-Goat IgG (H+L) (ZyMax™ Grade)	Purified	81-1600
	FITC	81-1611
	TRITC	81-1614
	Cy™ 3	81-1615
	Cy™ 5	81-1616
	AP	81-1622
	Biotin	81-1640
Goat anti-Rabbit IgG (H+L) (ZyMax™ Grade)	Purified	81-6100
	FITC	81-6111
	TRITC	81-6114
	Cy3	81-6115
	Cy5	81-6116
	HRP	81-6120
	AP	81-6122
	Biotin	81-6140

NOTES

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