novex®
by life technologies™

HRP and TRITC Antibody Conjugates (Lyophilized)

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Product description

TRITC and HRP antibodies are supplied in lyophilized form to maximize stability. Each tube contains either 0.5 mg or 1 mg of lyophilized antibody with buffer, salts, and stabilizing agents. The unit weight is the total antibody concentration.

Reconstitution

- We recommend rehydrating lyophilized materials as a stock solution with a final concentration of 1 mg/mL.

1. Prepare a stock solution with deionized (di) water.
   - Antibody supplied at 0.5 mg – add 0.55 mL di water
   - Antibody supplied at 1 mg – add 1.1 mL di water
2. Incubate for at least 30 minutes at room temperature prior to making further dilutions.
3. Mix gently and, if necessary, centrifuge to remove any aggregates.

- Prepare fresh working dilutions on the day of use.
- Do not store diluted working solutions.

Product applications

The HRP and TRITC antibody conjugates are suitable for all standard immunoassay applications.

Application	Concentration
Immunohistochemistry	1:500 to 1:5000
ELISA	1:2,000 to 1:20,000
Western blot	1:2,000 to 1:20,000

Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application.

Storage and handling

- Store lyophilized material at 2° to 8°C.
- Store stock solutions at 2° to 8°C
- For long term storage of stock solutions:
  1. Add purified, high-grade glycerol to a final concentration of 50% (v/v).
  2. Divide contents of tube into single-use aliquots.
  3. Store at –20°C in a non-frost-free freezer.
- Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage buffer

When reconstituted as directed:

HRP conjugates are in 10 mM sodium phosphate buffer (pH 7.2), 0.15 M NaCl, and 1% (w/v) BSA with 0.1% (v/v) Kathon™ CG.

TRITC conjugates are in 10 mM sodium phosphate buffer (pH 7.2), 0.15 M NaCl, and 1% (w/v) BSA with 0.05% (w/v) sodium azide.

CAUTION! Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at **www.lifetechnologies.com/support**.

Related products

A large variety of conjugated and unconjugated secondary antibodies are available from Life Technologies for use in detection and analysis of proteins. Refer to the following table for an overview of available isotypes and reactivity information. For additional product details and guidance on selection, visit our website at **www.lifetechnologies.com/antibodies** or call Technical Support.

		Secondary Antibody Host Species				
		Chicken	Donkey	Goat	Rabbit	Sheep
Target Species	Bovine	—	—	IgG	IgG	—
	Cat	—	—	IgG	IgG	—
	Chicken	—	—	IgY	IgY	—
	Dog	—	—	IgG	—	—
	Goat	IgG	IgG	—	IgG, IgG Fc	—
	Guinea Pig	—	—	IgG	IgG	—
	Hamster	—	—	—	IgG	—
	Human	—	—	IgA, IgE, IgG, IgM, IgG Fc, IgG/A/M, Kappa Chain	IgG, IgM	—
	Llama	—	—	IgG	IgG	—
	Mouse	IgG	IgG	IgG, IgG Fc	IgG	—
	Rabbit	IgG	IgG	IgG, IgG Fc	IgG	IgG
	Rat	IgG	IgG	IgG	IgG	—
	Sheep	—	IgG	—	—	—

Important licensing information

These products may be covered by one or more Limited Use Label Licenses. By use of these products, you accept the terms and conditions of all applicable Limited Use Label Licenses.