

Product Information

10X Fish Gelatin Blocking Buffer

Catalog Number: 22010

Unit Size: 100 mL

Concentration: 10X

Color and Form: Light yellow solution.

Storage and Handling

Store at 4°C. Product is stable for about 6 months. Warm to room temperature before use. Fish gelatin in solution may solidify at 4°C; it can be warmed to 37°C to redissolve.

Product Description

Gelatin purified from cold water fish skin is used as a blocking agent to reduce non-specific antibody binding in immunodetection procedures such as Western Blotting and immunostaining. Fish gelatin is used as an alternative to BSA, milk, or mammalian serum because does not contain IgG that could cross-react with mammalian antibodies.

Protocol:

General guidelines for using Fish Gelatin Blocking Buffer are provided below. Protocols may require optimization for specific applications. 1X Fish Gelatin Blocking Buffer can be used to replace blocking buffers containing 5% non-fat dry milk or 5% BSA.

Reagents:

Reagents required, but not included:

- Tris Buffered Saline (TBS) or Phosphate Buffered Saline (PBS)
- Tween® 20 or other detergent of choice (optional)

Preparation of 100 mL 1X blocking buffer:

Dilute to Blocking Buffer a final concentration of 1X in TBS or PBS buffer. Detergents such as Tween® 20 can be added to a final concentration of 0.1%.

Reagent	Volume
1X PBS or TBS	90 mL
10X Gelatin Blocking Buffer	10 mL
Tween® 20 (optional)	100 µL

Blocking and staining:

Incubate membranes in 1X Blocking Buffer for 30 to 60 minutes at room temperature with gentle agitation. Blocking for immunostaining can also be performed similarly on cells or tissues. 1X Blocking Buffer can be used as an antibody diluent for antibody incubation steps, and can be used during wash steps to reduce background.

Note: The gelatin in 1X Blocking Buffer may solidify if incubations are performed 4°C.

Related Products

Cat.#	Product Name	Unit Size
22012	Non-fat dry milk	100 g
22011	Fish gelatin powder	100 g
22014	BSA, IgG- and protease-free, 30% solution	100 mL
22002	TWEEN® 20	50 mL

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