

101Bio Antibody Enhancer

Cat. #: P5W2 (30 ml)

Shipping and Storage: Ship at RT and store at 4°C.

Shelf Life: 24 months

Product Description:

101Bio Antibody Enhancer can significantly increase the sensitivity of commonly used immunoassays such as Western blotting, ELISA and immunohistochemistry. The enhancer can reduce the amount of primary and secondary antibodies used due to higher antibody dilution employed, a significant saving of expensive antibodies. The signal intensity can be increased several folds in immunostaining applications with chromogenic or ECL substrates.

Major Features: **Save expensive antibodies.** Enhance signal intensity. Ready and easy to use, BSA and preservative-free, room temperature shipping and long shelf life (2 years at 4°C).

This product is for research use only.

Product Contents (store at 4°C)

Component	Amount
101Bio Antibody Enhancer	30 ml

Protocol:

1. Dilute primary antibody with the Antibody Enhancer for subsequent immunoassays such as WB, ELISA and immunohistochemistry (antibody dilution is usually 2- to 10-fold beyond normal). The actual antibody dilution for a particular antibody needs to be determined experimentally.
2. For Western blotting, it is recommended to block the membrane in 5% non-fat milk in 1 X PBS or Tris-NaCl buffer for at least 2h at RT or overnight at 4°C.
3. If background is an issue, dilute the antibodies further and wash the membrane extensively. The amount of Antibody Enhancer used depends on the size of the blot. For 10 X 10 blot usually 2 ml diluted antibody is sufficient. Transfer the diluted antibody solution onto a clean and flat glass/plastic surface, place the blot face down and incubated for at least 1h at RT or at 4°C for overnight (for longer incubation it is recommended to place the blot in a humidity chamber to prevent evaporation).
4. After primary antibody incubation, wash the blot using standard method and perform subsequent steps of Western blotting.
5. 101Bio Antibody Enhancer can also be used to dilute secondary antibody but significantly higher dilution should be used, otherwise high background could be a problem. For a particular secondary antibody, the optimal dilution needs to be determined experimentally. Usually dilution of primary antibody with the Enhancer is sufficient to generate satisfactory result.

Related products

Cat.#	Kit Name	Application		Protein Status	Minute
P501	Total protein kit	cells	→ total protein	denatured / native	1 ~ 8
P502	Total protein kit	tissues	→ total protein	denatured / native	1 ~ 8
P503	Membrane protein kit	cells / tissues	→ membrane protein	native , detergent-free	20 ~ 45
P504	Nuclear protein kit	cells / tissues	→ nuclear & cytosol protein	native	6 ~ 8
P505	Detergent-free kit	cells	→ total protein	denatured / native	5 ~ 8
P506	Detergent-free kit	Tissues	→ total protein	denatured / native	5 ~ 8
P507	Mitochondria kit	cells / tissues	→ mitochondria	native, detergent-free	25 ~ 30
P508	Plant total protein	plant tissues	→ total protein	denatured/native	5 ~ 8
P510	Plant detergent-free	plant tissues	→ total protein	native	6 ~ 8
P511	Plant chloroplast kit	plant tissues	→ intact chloroplast		5
P518	Plant Microsomal Membrane Extraction	plant tissues	→ microsomal membrane	native	1 hr
P512	Bacteria total protein	bacteria	→ total protein	denatured	2 ~ 3
P513	Nuclear envelope kit	cells	→ nuclear envelope	native	< 45
P514	Histone/DNA binding protein extraction kit	cells	→ histone & dna binding protein	denatured	< 10
P515	Thick cell wall microbes protein kit	microbes	→ total protein	denatured / native	< 10
P519	Gel slice recovery kit	PAGE gel	→ protein	denatured / native	10 ~ 20
P521	Hair & nail protein kit	hair, nail	→ protein	denatured	5 min. hands on
P522	Adipose protein kit	adipose	→ total protein	denatured / native	20
P523	Adipose fractionation	adipose	→ water soluble/insoluble protein	native	40
P524	Nuclei isolation kit	cells / tissues	→ intact nuclei	native, detergent-free	20
P525	FFPE protein kit	FFPE tissues	→ protein	denatured	60
P528	Endosome isolation kit	cells / tissues	→ endosome	denatured	20 min. hands on
P529	Adipose nuclei and cytosol isolation kit	adipose tissues	→ nuclei & cytosol	native	30

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