

101Bio Peroxidase Suppressor

Cat. #: P5W5 (30 ml)

Shipping and Storage: Ship and store at RT.

Shelf Life: 24 months

Product Description:

101Bio Peroxidase Suppressor is designed to inhibit endogenous peroxidase activity commonly encountered in immunohistochemistry (IHC) procedures. Inhibiting endogenous peroxidase activity is essential for **avoiding false positive** and reduce the background of IHC. Many chemical agents such as H₂O₂ and sodium azide have been used for this purpose but the inhibition is usually incomplete. 101Bio Peroxidase Suppressor is a mixture of several potent peroxidase inhibitors and can **completely inhibit endogenous peroxidase activity**. The suppressor can be used in regular IHC as well as HRP-mediated super sensitive procedures such as tyramide signal amplification (TSA).

Major Features: Very stable at RT, ready to use and irreversible inhibition of endogenous peroxidase activity. Significantly reduce the background of sensitive assays using HRP.

This product is for research use only.

Product Contents (store at RT)

Component	Amount
101Bio Peroxidase Suppressor	30 ml

Protocol:

1. After cell or tissue samples are prepared on slide, perform antigen retrieval step if necessary.
2. Block non-specific sites in the samples with normal serum or other blocking solution of your choice.
3. Add **1-2 drops** of 101Bio Peroxidase Suppressor to cover the samples on the slide. Incubate at room temperature in a humidity chamber for 10-15 minutes. Wash the sample on the slide 3 times with IHC washing buffer such as PBS-tween and perform primary antibody incubation.

Note: It is important that 101Bio Peroxidase Suppressor must be added after antigen retrieval and before primary antibody incubation. It may interfere with antigen-antibody binding if it is not wash away after incubation.

4. Continue with other experimental steps.

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	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	cells → histone & dna binding protein	denatured	< 10
P515	Thick cell wall microbes	microbes → total protein	denatured / native	< 10
P516	Detergent-free thick cell wall	microbes → total protein	denatured / native	10
P517	Yeast Mitochondria	yeast → mitochondria	native	60
P518	Plant Microsomal Membrane	plant → microsomal membrane	native	60
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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