

## Super Block

**Description:** Super Block has been developed to use with immunolabeling techniques for the reduction of nonspecific background staining, and simultaneously reducing the handling of animal serums in the laboratory. The need to match species with the secondary antibody is eliminated due to the lack of normal serum in this product. Super Block has been shown to be effective for immunohistochemical, ELISA, blot and In-situ techniques and requires no mixing or diluting.

pH: 7.4±0.1

Appearance: Opaque Liquid

**Uses:** Immunochemical procedures.

**Limitations:** Do not use past expiration date.

<b>Availability:</b>	<b>Item #</b>	<b>Volume</b>
	AAA125	125 ml
	AAA500	500 ml
	AAA999	1000 ml
	AAA010	10 L
	AAA-20000	20 L
	AAA-50000	50 L
	AAA-100000	100 L

**Storage:** Store Super Block at 2-8°C. Product is stable for 18 months from date of manufacture.

### Procedure:

#### Immunohistochemical:

1. Incubate tissue section for 5 minutes at either room temperature or 37° C prior to application of the primary antibody. After incubation, rinse once in buffer (Note: do not incubate tissue sections in excess of 10 minutes or a reduction in desired staining may occur).
2. \*\*\* For bulk staining, pour Super Block in a covered staining tray and dip slides for 5 minutes. Replace with fresh Super Block after 5-10 uses. This step can be performed at the time of deparaffinization is desired. \*\*\*
3. For antibodies with particularly high background staining, dilute Super Block in PBS (1:5-10) and use as a wash buffer in addition to the blocking step.

Storage: 2° C



8° C



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### ELISA:

1. Incubate microtiter well for 2-10 minutes prior to addition of sample. Rinse, and continue procedure. (Note: do not incubate in excess of 10 minutes).

### Chemiluminescent Blot

1. It has been reported to ScyTek, that Super Block is effective for this technique with incubation times of one hour at room temperature. It has also been reported that Super Block is an effective blocker when used with overnight incubations at 2-8° centigrade.

**Precautions:** Do not pipette reagent by mouth.  
Avoid contact with skin and eyes.  
Wash after use.  
Observe all federal, state and local environmental regulations regarding disposal.

### Product Specific Literature References:

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- 3) Goleva E., Kisich K.O., Leung D.Y.M. A Role for STAT5 in the Pathogenesis of IL-2-Induced Glucocorticoid Resistance. *The Journal of Immunology*, Vol. 169, pp 5934-5940, 2000.
- 4) Lee E.H., Seomun Y., Hwang K.H., Kim J.E., Kim I.S., Kim J.H., Joo C.K. Overexpression of the Transforming Growth Factor- $\beta$ -Inducible Gene  $\beta$ ig-h3 in Anterior Polar Cataracts. *Investigational Ophthalmology & Visual Science*, Vol. 41, No. 7, pp 1840-1845, June 2000.
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- 6) Matsubara S., Wada Y., Gardner T.A., et al. A Conditional Replication-competent Adenoviral Vector, Ad-OC-E1a, to Cotarget Prostate Cancer and Bone Stroma in an Experimental Model of Androgen-independent Prostate Cancer Bone Metastasis. *Cancer Research*, Vol. 61, pp 6012-6019, August 15, 2001.

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- 7) Pauley R.J., Santner S.J., Tait L.R., Bright R.K., Stanten R.J. Regulated CYP19 Aromatase Transcription in Breast Stromal Fibroblasts. *The Journal of Clinical Endocrinology & Metabolism*, Vol. 85, No. 2, pp 837-846, 2000.
- 8) Nemeth J.A., Yousif R., Herzog M., et al. Matrix Metalloproteinase Activity, Bone Matrix Turnover, and Tumor Cell Proliferation in Prostate Cancer Bone Metastasis. *Journal of the National Cancer Institute*, Vol. 94, No. 1, pp 17-25, January 2, 2002.
- 9) Nemeth J.A., Harb J.F., Barroso U., et al. Severe Combined Immunodeficient-hu Model of Human Prostate Cancer Metastasis to Human Bone. *Cancer Research*, Vol. 59, pp 1987-1993, April 15, 1999.
- 10) Slominski A., Rologg B., Curry J., et al. The Skin Produces Urocortin. *The Journal of Clinical Endocrinology & Metabolism*, Vol. 85, No. 2, pp 815-823, 2000.
- 11) Tseng C.P., Ely B.D., Li Y., Pong R.C., Hsieh J.T., Regulation of Rat DOC-2 Gene During Castration-Induced Rat Ventral Prostate Degeneration and Its Growth Inhibitory Function in Human Prostatic Carcinoma Cells. *Endocrinology*, Vol. 139, No. 8, pp 3542-3553, 1998.
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