膜再生液（抗体去除液、抗体剥离液）温和型
货号：P1650

产品描述：

膜再生液也称抗体剥离液、一抗二抗去除液。允许对同一张膜进行多次Western Blot检测。膜再生液（温和型 酸性）作用温和，室温下，将用过的膜浸泡在膜再生液中30分钟，即可选择性清除与膜上抗原结合的一抗和二抗，但不影响转移到膜上的蛋白。随后可以使用不同的抗体进行下一轮Western Blot实验。省去给药处理、蛋白电泳和膜转移等步骤，提高实验效率，节省实验时间。

产品特点：

- **作用温和：不影响抗原蛋白，可对同一张膜进行3次以上的Western Blot检测**
- **操作便捷：无需重复电泳转膜，无需特殊设备**
- **保存方便：室温保存和操作**
- **安全性高：无毒无害，无刺激性气味**
- **兼容性广：适用于PVDF膜和NC膜**

产品适用：

硝酸纤维素膜或PVDF膜。使用前膜可以保存在PBS或TBS缓冲液。

产品组成：

产品名称	规格	储存和效期
膜再生液 （温和型 酸性）	100ml	常温保存，一年有效
	500ml	

操作步骤：

1.将NC膜或PVDF膜充分浸泡于适当体积的膜再生液中，室温（25ºC±3ºC）孵育15~30分钟并不时晃动。**孵育时间可参考步骤4进行优化**；

2.用镊子取出膜，用TBST（B1009）淋洗膜一次，淋洗残留的膜再生液；

3.用TBST浸泡洗膜，室温（25ºC±3ºC）孵育5分钟；

4.确定膜上抗体是否去除与优化再生液中孵育膜的时间：用ECL（P1050）工作液孵育再生后的膜约1分钟，然后进行显影，可确定膜上的抗体是否完全去除。如显示条带，表明抗体未完全去除，应继续将膜浸泡在再生液中孵育30~90分钟。然后再次ECL 检查膜上抗体是否去除。重复此步骤直到抗体完全去除并确定最佳孵育时间；

5.用脱脂奶粉（P1622）封闭，进行下一轮Western Blot实验。

常见问题解决方案：

1.膜再生或Stripping的实质是在不影响膜上结合的抗原的条件下，将与抗原分子结合的一抗和二抗洗脱下来。有许多因素影响抗体从膜上的洗脱，**如膜的类型、抗体类型和浓度及其与抗原结合特性**等。需在操作过程中优化膜再生液孵育膜的时间；

2.冬季室内温度较低时，建议增加孵育时间，以达到最佳再生效果；

3.本品为温和型膜再生液，当某些抗原和抗体结合力较强时，即使增加孵育时间（超过4小时）也无法洗脱，建议使用加强型膜再生液（P1652）进行膜再生；

4.PVDF膜浸泡在膜再生液中，**膜是否透明不影响膜再生效果**；

5.由于至今尚不清楚的原因，使用脱脂奶粉封闭的膜要比使用BSA封闭的膜上的抗体更容易被Strip下来。因此准备进行Strip的膜，应该使用脱脂奶粉而不是BSA封闭；

6.尽量避免使用干燥保存的膜，因为干的膜上的抗体很难被Strip干净。

相关产品推荐

货号	产品名称
P1652	膜再生液(抗体去除液、抗体剥离液) 加强型
P1050	Super ECL Plus超敏发光液（强）
P1622	封闭专用脱脂奶粉（进口分装）
C1240	一抗稀释液（通用型）

使用本产品发表SCI文章节选：

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2.Tian Y, Xie Y, Guo Z, et al. 17β-oestradiol inhibits ferroptosis in the hippocampus by upregulating DHODH and further improves memory decline after ovariectomy. Redox Biol. 2023 Jun;62:102708 **(IF:11.4)**
3.Pang, Q., Wang, P., Pan, Y. et al. Irisin protects against vascular calcification by activating autophagy and inhibiting NLRP3-mediated vascular smooth muscle cell pyroptosis in chronic kidney disease. Cell Death Dis 13, 283 (2022) **(IF:9.7)**
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5.Liu, T., Li, T., Chen, X. et al. EETs/sEHi alleviates nociception by blocking the crosslink between endoplasmic reticulum stress and neuroinflammation in a central poststroke pain model. J Neuroinflammation 18, 211 (2021) **(IF:8.3)**
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10.Zhao Z, Xue F, Gu Y,et al. Crosstalk between the muscular estrogen receptor α and BDNF/TrkB signaling alleviates metabolic syndrome via 7,8-dihydroxyflavone in female mice. Mol Metab. 2021 Mar;45:101149 **(IF:6.4)**
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13.Wang X, Liu Y, Jia M, et al. Phosphorylated SNAP25 in the CA1 regulates morphine-associated contextual memory retrieval via increasing GluN2B-NMDAR surface localization. Addict Biol. 2018 Sep;23(5):1067-1078
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15.Liu T, Li T, Chen X, et al. A network-based analysis and experimental validation of traditional Chinese medicine Yuanhu Zhitong Formula in treating neuropathic pain. J Ethnopharmacol. 2021 Jun 28;274:114037
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22.He, L., Wang, X., Kang, N. et al. MiR-375 inhibits the hepatocyte growth factor-elicited migration of mesenchymal stem cells by downregulating Akt signaling. Cell Tissue Res 372, 99–114 (2018)

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