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碧云天生物技术/Beyotime Biotechnology

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QuickBlock™免疫染色封闭液

产品编号	产品名称	包装
P0260	QuickBlock™免疫染色封闭液	100ml

产品简介：

- 碧云天生产的QuickBlock™免疫染色封闭液(QuickBlock™ Blocking Buffer for Immunol Staining)是最新一代的快速高效免疫染色封闭液，总体效果显著优于传统的基于BSA(牛血清白蛋白)、血清等的封闭液及国外同类产品，主要用于免疫荧光(Immunofluorescence, IF)、免疫组化(Immunohistochemistry, IHC)和免疫细胞化学(Immunocytochemistry, IC)等免疫染色时细胞或组织样品的封闭，也可以用于免疫染色实验中一抗或二抗的稀释。
- QuickBlock™免疫染色封闭液**快速高效**。封闭时间通常仅需5-15分钟，封闭效果与传统的免疫染色封闭液BSA相比效果一致甚至更优(参考图1和图2)，更优时通常表现为更强的染色效果。
- QuickBlock™免疫染色封闭后**背景极低**。本封闭液不含血清和白蛋白，确保极高的信噪比。
- QuickBlock™免疫染色封闭液**兼容性好**，兼容辣根过氧化物酶(Horseradish peroxidase, HRP)、碱性磷酸酶(Alkaline phosphatase, AP)和生物素标记的二抗。本产品中添加了不影响HRP和AP活性的防腐剂，不会干扰HRP或AP标记二抗的检测。同时本产品不含生物素，不会干扰基于生物素的检测。
- QuickBlock™免疫染色封闭液**使用便捷**。本产品无需添加任何额外的试剂，可以直接用于免疫染色实验中样品的封闭。
- 本免疫染色封闭液中含有适量Triton X-100，可以通透细胞膜。经本免疫染色封闭液处理的细胞或组织可以检测细胞内的目的蛋白，包括细胞浆内、细胞核内和各种细胞器内的目的蛋白。
- 免疫染色实验中使用荧光检测时，本产品与BSA的封闭效果对比参见图1。在相同样品和实验条件下，仅封闭液及封闭时间存在如下图所示的差异时，碧云天的QuickBlock™免疫染色封闭液封闭10分钟的整体效果略优于BSA封闭1小时的效果。

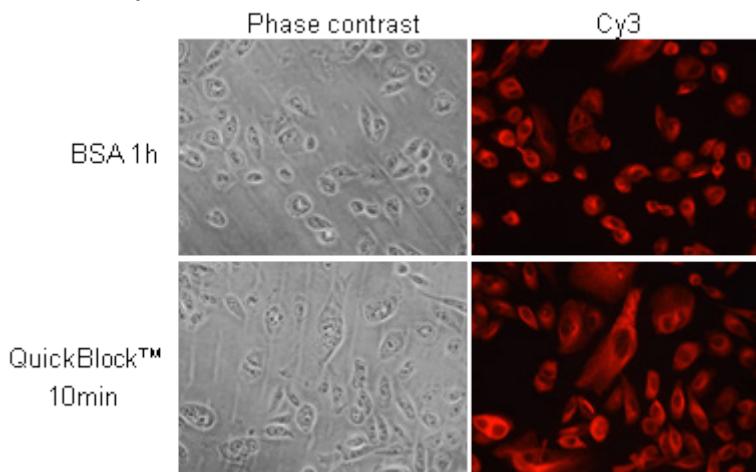


图1. 荧光检测时，QuickBlock™免疫染色封闭液与BSA的封闭效果比较。上图为HeLa细胞用一抗 α -Tubulin Rabbit Polyclonal Antibody (AF0001)和二抗Cy3标记的山羊抗兔IgG(H+L) (A0516)的检测效果图。图中可见清晰的红色荧光的微管形态，两种封闭液封闭后的荧光背景都很低，但曝光时间相同时QuickBlock™免疫染色封闭液封闭后的荧光亮度略强于BSA封闭后的荧光亮度，且封闭时间仅需10分钟。实际实验结果会因样品、抗体、实验条件等的不同而存在差异，图中数据仅供参考。

- 免疫染色实验中使用DAB显色时，本产品与BSA的封闭效果对比参见图2。在相同样品和实验条件下，仅封闭液及封闭时间存在如下图所示的差异时，碧云天的QuickBlock™免疫染色封闭液封闭10分钟与BSA封闭1小时的效果一致。

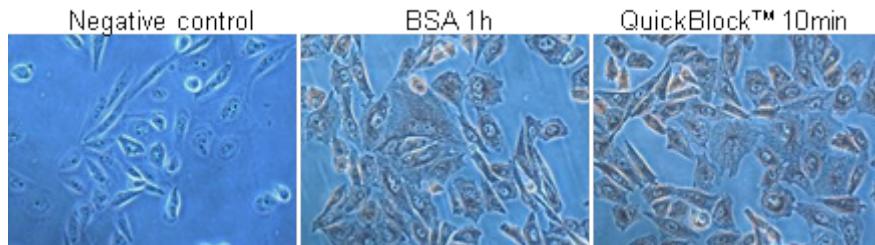


图2. 免疫染色实验中使用DAB显色时，QuickBlock™免疫染色封闭液与BSA的封闭效果比较。上图为HeLa细胞用一抗 α -Tubulin Rabbit Polyclonal Antibody (AF0001)和二抗辣根过氧化物酶标记山羊抗兔IgG(H+L) (A0208)，并使用DAB辣根过

化物酶显色试剂盒(P0203)进行显色的检测效果图。图中可见清晰的棕色微管形态，两种封闭液封闭后的背景都很低，且在曝光时间相同时两种封闭液的信号强度一致，但QuickBlock™免疫染色封闭液仅需封闭10分钟。无一抗的BSA封闭为Negative control。实际实验结果会因样品、抗体、实验条件等的不同而存在差异，图中数据仅供参考。

- 关于不同封闭液的比较和选择，请参考碧云天的相关网页：<http://www.beyotime.com/support/blocking-buffer.htm>。
- 按照每个样品封闭需要0.1-1ml QuickBlock™免疫染色封闭液计算，一个包装的本产品可以封闭100-1000个样品。

包装清单：

产品编号	产品名称	包装
P0260	QuickBlock™免疫染色封闭液	100ml
—	说明书	1份

保存条件：

4°C保存，一年有效。长期不使用可以-20°C保存。

注意事项：

- 本产品建议仅使用一次，重复使用可能会导致封闭效果下降。但对于使用较大体积的封闭液进行封闭或者使用一些信噪比很高的1抗，例如一些内参抗体，本封闭液可以重复使用2-3次。回收的封闭液请勿与未使用过的封闭液混合。
- 由于没有任何一种封闭液是适用于所有实验体系的，因此对于一些特殊的实验，可能需要根据具体情况考虑使用其它更合适的封闭液。
- 为进一步提高信噪比，推荐同时使用QuickBlock™免疫染色一抗稀释液(P0262)、QuickBlock™免疫荧光染色二抗稀释液(P0265)和QuickBlock™免疫组化染色二抗稀释液(P0267)用于一抗及二抗的稀释。
- 本产品仅限于专业人员的科学的研究用，不得用于临床诊断或治疗，不得用于食品或药品，不得存放于普通住宅内。
- 为了您的安全和健康，请穿实验服并戴一次性手套操作。

使用说明：

对于细胞或组织样品，在固定后用免疫染色洗涤液洗涤一次(注：石蜡切片需先脱蜡等)，然后就可以用QuickBlock™免疫染色封闭液进行封闭，通常建议封闭10分钟。如有时间安排等方面的需要，也完全可以室温封闭10-180分钟甚至4°C封闭过夜。封闭时可以在摇床上缓慢摇动。如果样品在摇动时容易脱落，也可以直接放置在桌面上不进行任何摇动，效果会略差一些，但也可以满足常规的要求。完成封闭后就可以进行一抗孵育等后续操作。

详细的免疫染色操作可以参考碧云天相关网页：<http://www.beyotime.com/support/immunol-staining.htm>。

相关产品：

产品编号	产品名称	包装
P0220	QuickBlock™封闭液(PBS)	100ml
P0222	QuickBlock™封闭液(PBSTw)	100ml
P0226	QuickBlock™封闭液(PBSTx)	100ml
P0228	QuickBlock™封闭液(TBS)	100ml
P0231	QuickBlock™封闭液(TBSTw)	100ml
P0233	QuickBlock™封闭液(TBSTx)	100ml
P0235	QuickBlock™封闭液(10X)	100ml
P0252	QuickBlock™ Western封闭液	100ml
P0256	QuickBlock™ Western一抗稀释液	100ml
P0258	QuickBlock™ Western二抗稀释液	100ml
P0260	QuickBlock™免疫染色封闭液	100ml
P0262	QuickBlock™免疫染色一抗稀释液	100ml
P0265	QuickBlock™免疫荧光染色二抗稀释液	100ml
P0267	QuickBlock™免疫组化染色二抗稀释液	100ml

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