abcam

Product datasheet

Anti-HIV protease antibody [1696] ab8327

8 References 1 图像

概述

产品名称	Anti-HIV protease抗体[1696]
描述	小鼠单克隆抗体[1696] to HIV protease
宿主	Mouse
特异性	The antibody recognizes free N-terminus of mature HIV protease (HIV-1 and HIV-2). The antibody does not react with the precursor.
经测试应用	**适用于:** Dot blot
免疫原	Recombinant full length protein corresponding to HIV protease. Bacterially expressed full-length HIV-1 protease. Database link: **P03366**

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.098% Sodium azide Constituent: 99% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	1696
骨髓瘤	unknown
同种型	IgG1

应用

The Abpromise guarantee	**Abpromise™承诺保证使用ab8327于以下的经测试应用**

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

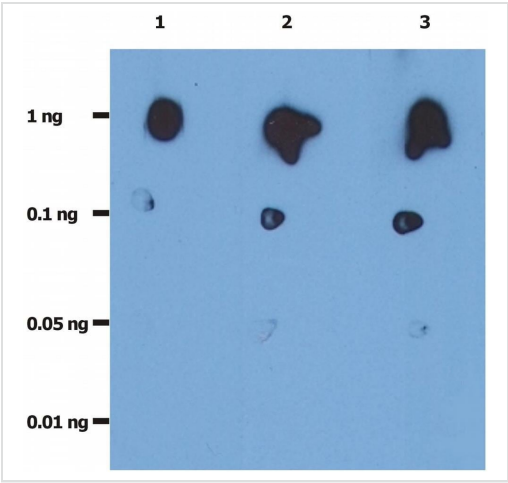
应用	Ab评论	说明
Dot blot		Use at an assay dependent concentration.

靶标

相关性

The HIV1 core consists of a viral genome housed within a conical viral capsid that is generated during virion maturation. Human immunodeficiency virus type 1 (HIV1) matures after the viral protease processes the Gag and Pol polyproteins at 10 substrate locations. The protease of HIV1 is an aspartic protease and is functional only as a dimer; dimerization results in the formation of a binding cleft in which each of the two catalytic aspartic acids in which each monomer contributes each of the 2 catalytic aspartic acids. Because the protease is active only as a dimer, two of the GagPol precursors must themselves dimerize during virus assembly so that their protease domains can dimerize, become active, and process the precursors. Both the order and kinetics of cleavage as well as the extent of precursor processing appear to be critical steps in the generation of fully infectious, appropriately assembled viral particles. Inhibition of HIV-1 protease represents an important avenue for antiviral therapy. Currently available combination chemotherapy with reverse transcriptase inhibitors (RTIs) and protease inhibitors (PIs) for human immunodeficiency virus type 1 (HIV1) infection and AIDS have been shown to suppress the replication of HIV1 and extend the life expectancy of HIV1 infected individuals.

图片



Dot Blot - Anti-HIV protease antibody [1696] (ab8327)

Dot blot analysis of ab8327. The total amount of ab8327 spotted on the nitrocellulose membrane are indicated in left column.

Lane 1: ab8327; 0.2 µg/ml

Lane 2: ab8327; 1.0 µg/ml

Lane 3: ab8327; 2.0 µg/ml

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