Monoclonal Antibody to HIV protease  
Purified Antibody (0.025 mg)

Clone: 1696  
Isoype: Mouse IgG1  
Specificity: The antibody 1696 recognizes free N-terminus of mature HIV protease (HIV-1 and HIV-2), an enzyme that hydrolyzes polyproteins of HIV viruses into functional proteins. The antibody 1696 does not react with the precursor.

Regulatory Status: RUO  
Immunogen: Bacterially expressed full-length HIV-1 protease  
Species Reactivity: HIV  
Application: Western Blotting  
Recommended dilution: 0.5 µg/ml  
ELISA  
Functional Application  
The antibody 1696 strongly inhibits the enzyme activity of HIV-1 and HIV-2 proteases.

Purity: > 95% (by SDS-PAGE)  
Purification: Purified by protein-A affinity chromatography  
Concentration: 1 mg/ml  
Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4  
Storage / Stability: Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.

Expiration: See vial label  
Lot Number: See vial label  
Background: The HIV protease (PR) hydrolyzes polyproteins of HIV virus into functional protein products that are essential for its assembly and subsequent activity. This maturation process occurs as the virion buds from the host cell. HIV protease inhibitors are used in the treatment of patients with AIDS and were considered the first breakthrough in over a decade of AIDS research. HIV protease inhibitors can lower the viral load carried by AIDS patients.
References:


