

## ARG63002 anti-HIV protease antibody [1696]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [1696] recognizes HIV protease
Tested Reactivity	HIV
Tested Application	ELISA, FuncSt, WB
Specificity	The clone 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. 1696 does not react with the precursor.
Host	Mouse
Clonality	Monoclonal
Clone	1696
Isotype	IgG1
Target Name	HIV protease
Species	HIV
Immunogen	Bacterially expressed full-length HIV-1 protease
Conjugation	Un-conjugated

### Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	FuncSt	Assay-dependent
	WB	0.5 µg/ml
Application Note	Functional studies: The clone 1696 strongly inhibits the enzyme activity of HIV-1 and HIV-2 proteases. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from ascites by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

### Background

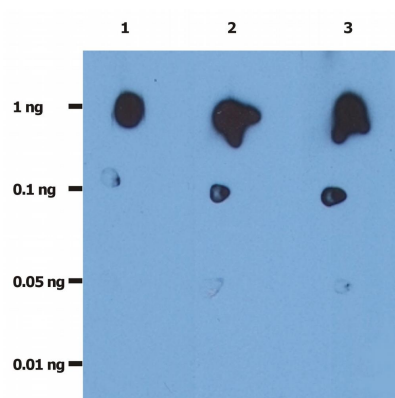
The HIV protease (PR) hydrolyzes polyproteins of HIV virus into functional protein products that are essential for its assembly and subsequent activity. This maturation process occurs as the virion buds from the host cell.

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.

### Research Area

Immune System antibody; Microbiology and Infectious Disease antibody

## Images



ARG63002 anti-HIV protease antibody [1696] Dot Blot image

Dot Blot: 1. Recombinant HIV protease (0.2 µg/ml) 2. Recombinant HIV protease (1.0 µg/ml) 3. Recombinant HIV protease (2.0 µg/ml) stained with ARG63002 anti-HIV protease antibody [1696].