



## Recombinant FIV Core Antigen (DAG552)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant Feline Immunodeficiency Virus Core Antigen, does not contain a fusion partner, was expressed in <i>E. coli</i> , and purified in vitro using conventional chromatography techniques.
<b>Species</b>	FIV
<b>Purity</b>	90% pure (SDS-PAGE)
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Molecular Weight</b>	26kDa
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	0.91 mg/ml
<b>Size</b>	1 mg
<b>Buffer</b>	50mM PBS, pH 7.2
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

### BACKGROUND

<b>Introduction</b>	Feline immunodeficiency virus (FIV) is a lentivirus that affects domesticated housecats worldwide and is the causative agent of feline AIDS. From 2.5% up to 4.4% of cats worldwide are infected with FIV. FIV differs taxonomically from two other feline retroviruses, feline
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leukemia virus (FeLV) and feline foamy virus (FFV), and is more closely related to human immunodeficiency virus HIV. Within FIV, five subtypes have been identified based on nucleotide sequence differences coding for the viral envelope (env) or polymerase (pol). FIV is the only non-primate lentivirus to cause an AIDS-like syndrome, but FIV is not typically fatal for cats, as they can live relatively healthily as carriers and transmitters of the disease for many years. A vaccine is available although its efficacy remains uncertain, and cats will test positive for FIV antibodies after vaccination.

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**Keywords**

FIV Core Ag; Feline Immunodeficiency Virus; FIV; Feline Immunodeficiency Virus Core Antigen; Core antigen; C; Capsid protein; Retroviridae; Lentivirus

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