**BACKGROUND**

Feline immunodeficiency virus (FIV) is a lentivirus that affects domestic cats throughout the world. Five subtypes of FIV exist, based on amino acid sequence differences in the viral envelope. The main mode of FIV transmission is through deep bite wounds, though it can also be spread via mucosal surfaces such as those in the mouth, rectum and vagina. FIV is similar to human immunodeficiency virus (HIV) in that it infects many cell types in its host, including CD4+ and CD8+ T lymphocytes, B lymphocytes and macrophages. FIV eventually leads to collapse of the immune system because of the infection and exhaustion of the CD4+ cells. FIV gp120 (also known as env/SU) and p24 are glycoproteins that localize to the envelope of the virus and are useful in diagnosis of the disease.

**REFERENCES**


**SOURCE**

FIV gp120 (CE4-13B1) is a mouse monoclonal antibody raised against FIV gp120.

**PRODUCT**

Each vial contains 100 µg IgG2a in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

FIV gp120 (CE4-13B1) is recommended for detection of Env gp120 in the V2 region of FIV by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 µg per 1 x 10^6 cells).

Molecular Weight of FIV gp120: 120 kDa.

**STORAGE**

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.