Fgl2 (4H5): sc-100276

**BACKGROUND**

Fibrinogen-like protein 2 (Fgl2), also known as fibroleukin, is secreted by T cells and is involved in diseases in which thrombosis plays a pivotal role, such as virus-induced fulminant hepatitis, fetal loss syndrome and xenograft rejection. Constitutively expressed in cytotoxic T cells, Fgl2 exerts immunosuppressive effects on both T cell proliferation and dendritic cell maturation. Fgl2 is a serine protease and directly cleaves prothrombin to thrombin. Fgl2 functions in the pathogenesis of diseases including viral-induced hepatitis and Th1 cytokine-induced fetal loss syndrome.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: FGL2 (human) mapping to 7q11.23; Fgl2 (mouse) mapping to 5 A3.

**SOURCE**

Fgl2 (4H5) is a mouse monoclonal antibody raised against recombinant Fgl2 of human origin.

**PRODUCT**

Each vial contains 100 µg IgGκ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**STORAGE**

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

**APPLICATIONS**

Fgl2 (4H5) is recommended for detection of Fibrinogen-like protein 2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Fgl2 mRNA (h): sc-44691, Fgl2 mRNA (m): sc-44692, Fgl2 mRNA Plasmid (h): sc-44691-SH, Fgl2 mRNA Plasmid (m): sc-44692-SH, Fgl2 mRNA (h) Lentiviral Particles: sc-44691-V and Fgl2 mRNA (m) Lentiviral Particles: sc-44692-V.

Molecular Weight of Fgl2: 70 KDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, MOLT-4 cell lysate: sc-2233 or Fgl2 (h): 293T lysate: sc-115132.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:

1) Western Blotting: use m-IgG® BP-HRP or m-IgG® BP-HRP (Cruz Marker); sc-516102 or m-IgG® BP-HRP (Cruz Marker); sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use m-IgG® BP-FITC: sc-516140 or m-IgG® BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850. 4) Immunohistochemistry: use m-IgG® BP-HRP: sc-516102 with DAB, 50X: sc-24982 and Immunohistomount: sc-45086, or Organo/Limonene Mount: sc-45087.

**DATA**

**SELECT PRODUCT CITATIONS**


**RESEARCH USE**

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