GGPL-III (LIII-63): sc-13571



The Power to Question

BACKGROUND

The genus Mycoplasma comprises the smallest organisms lacking cell walls that can self-replicate. Mycoplasma is attributed to various diseases in humans, including hematopoietic, joint, central nervous system, liver, pancreas and cardiovascular syndromes. Mycoplasma fermentans is present in human mucosal tissues, saliva and oropharyngeal of 45% of healthy adults. M. fermentans possesses a unique choline metabolic pathway that generates phosphocholine-containing glycoglycerolipids, 6'-O-phosphocholine- α -glucopyranosyl-(1'-3)-1,2-diacyl-sn-glycerol (GGPL-I) and 1'-phosphocholine, 2'-amino dihydroxypropane-3'-phospho-6'- α -glucopyranosyl-(1'-3)-1,2-diacyl-glycerol (GGPL-III). The frequency of antibodies to GGPL-III is significantly higher in sera from HIV-1 infected people than from HIV-1 negative healthy donors, suggesting that Mycoplasma fermentans is an influence in the pathogenicity of acquired immunodeficiency syndrome (AIDS).

REFERENCES

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SOURCE

GGPL-III (LIII-63) is a mouse monoclonal antibody raised against GGPL-III of *Mycoplasma fermentans* origin.

PRODUCT

Each vial contains 200 μg IgM 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.

RESEARCH USE

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

APPLICATIONS

GGPL-III (LIII-63) is recommended for detection of GGPL-III of *Mycoplasma fermentans* origin by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

PROTOCOLS

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

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