

Conglutinin (6B10): sc-80629

BACKGROUND

Conglutinin of bovine origin is a collagen-like, C-type, carbohydrate binding, plasma protein and is a member of the collectin protein family. The collectin family of soluble proteins are effector molecules in innate, nonadaptive immune defense against viral, fungal and bacterial pathogens. All collectins bind to microbial surface carbohydrates, inducing aggregation and thereby impeding infectivity or mediating phagocytosis through specific receptors on the phagocytes. Conglutinin is a 371 amino acid calcium-dependent serum lectin that is specific for N-acetylglucosamine and plays an important role in defense mechanisms. Conglutinin has a significantly greater ability to inhibit influenza A virus (IAV) infectivity than other collectins. Conglutinin contains an N-terminal collagen-like region and a C-terminal, C-type lectin domain.

REFERENCES

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SOURCE

Conglutinin (6B10) is a mouse monoclonal antibody raised against recombinant neck-CRD (carbohydrate recognition domain) of Conglutinin of bovine origin.

PRODUCT

Each vial contains 100 µg IgG_{2a} in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Conglutinin (6B10) is recommended for detection of Conglutinin of bovine origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000); non cross-reactive with CL43.

Molecular Weight of Conglutinin: 46 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.