

Fluorescein (6A4): sc-57585

BACKGROUND

Fluorescein is a fluorophore which represents a functional group in a molecule that has an absorption maximum at 490 nm and emission maximum of 514 nm. Fluorescein has a molecular mass of 332.32 g/mol, and it can be synthesized from phthalic anhydride and resorcinol in the presence of zinc chloride, or it can be prepared using methanesulfonic acid as the catalyst. Fluorescein is commonly used in microscopy, and it is often used as a water-soluble dye added to rainwater in environmental testing simulations to locate and analyze any water leaks. Fluorescein sodium is widely used as a diagnostic tool in the field of ophthalmology, and topical Fluorescein is can aid in the diagnosis of corneal abrasions, corneal ulcers, herpetic corneal infections, and dry eye.

REFERENCES

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SOURCE

Fluorescein (6A4) is a mouse monoclonal antibody raised against Fluorescein.

PRODUCT

Each vial contains 50 µg IgM in 0.5 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Fluorescein (6A4) is recommended for detection of free and bound Fluorescein by Western Blotting (starting dilution to be determined by researcher, dilution range 1:100-1:5000), immunofluorescence (starting dilution to be determined by researcher, dilution range 1:50-1:2500) and immunohistochemistry (including paraffin-embedded sections) (starting dilution to be determined by researcher, dilution range 1:50-1:2500).

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.