

Glutathione (1V022): sc-71155

BACKGROUND

One of the important roles of glutamine, the most abundant amino acid in the body, is as a precursor for Glutathione. Glutathione is one of several thiol-containing compounds which have an essential role in many biochemical reactions, due to their ability to be easily oxidized and then quickly regenerated. Glutathione is a free radical scavenger, which makes it a biomarker of protective oxidative injury. Oxidized Glutathione is reduced by the enzyme Glutathione reductase. The main function of Glutathione reductase is to maintain high levels of reduced Glutathione within the cell, resulting in low levels of oxidative stress.

REFERENCES

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SOURCE

Glutathione (1V022) is a mouse monoclonal antibody raised against Glutathione.

PRODUCT

Each vial contains 100 μ g IgG_{2a} 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

Glutathione (1V022) is recommended for detection of Glutathione-protein complexes by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)].

Molecular Weight of Glutathione: 0.3 Da.

SELECT PRODUCT CITATIONS

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RESEARCH USE

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