



AbX™

DyLight® 549-Glutathione Mouse Monoclonal

Catalog Number A001T-50UG

Features

- Designed for Immunofluorescence and FACS Analysis
- Supplied as 50 µg in PBS
- For use under Non-Reducing conditions

INTRODUCTION

Glutathione (GSH) is the highest concentration non-protein thiol in mammalian cells and is present in concentrations of 0.5 to 10 mM. GSH plays a key role in many biological processes, including the synthesis of proteins and DNA, the transport of amino acids, and the protection of cells against oxidation. Harmful hydrogen peroxide cellular levels are minimized by the enzyme glutathione peroxidase (GP) using GSH as a reductant. The oxidized GSH dimer, GSSG, is formed from GSH and peroxide by the GP reaction. An important role of GSSG in the NFκB activating signal cascade is suggested by the fact that the potent NFκB inducer TPA increases intracellular GSSG levels and GSSG/GSH ratios.

AbX™ DyLight® 549-labeled Glutathione Mouse Monoclonal Antibody is produced from our Protein A purified antibody by reaction with DyLight® 549 NHS ester. It will fluorescently label GSH-protein complexes under non-reducing conditions. DyLight 549 is similar to Alexa 555, Cy3 or TRITC.

Clone number

L4H

Immunogen

Glutathione conjugated to Keyhole Limpet Hemocyanin

subtype

Mouse IgG_{2a}

Label

DyLight™ 549 labeled mouse monoclonal to glutathione, containing approximately 4.5 DyLight molecules per IgG

Concentration and Buffer composition

500 µg/mL in Phosphate Buffered Saline at pH 7.2 containing 0.09% Sodium Azide

Storage

Short Term: 4°C. Extended: Aliquot and freeze at -20°C

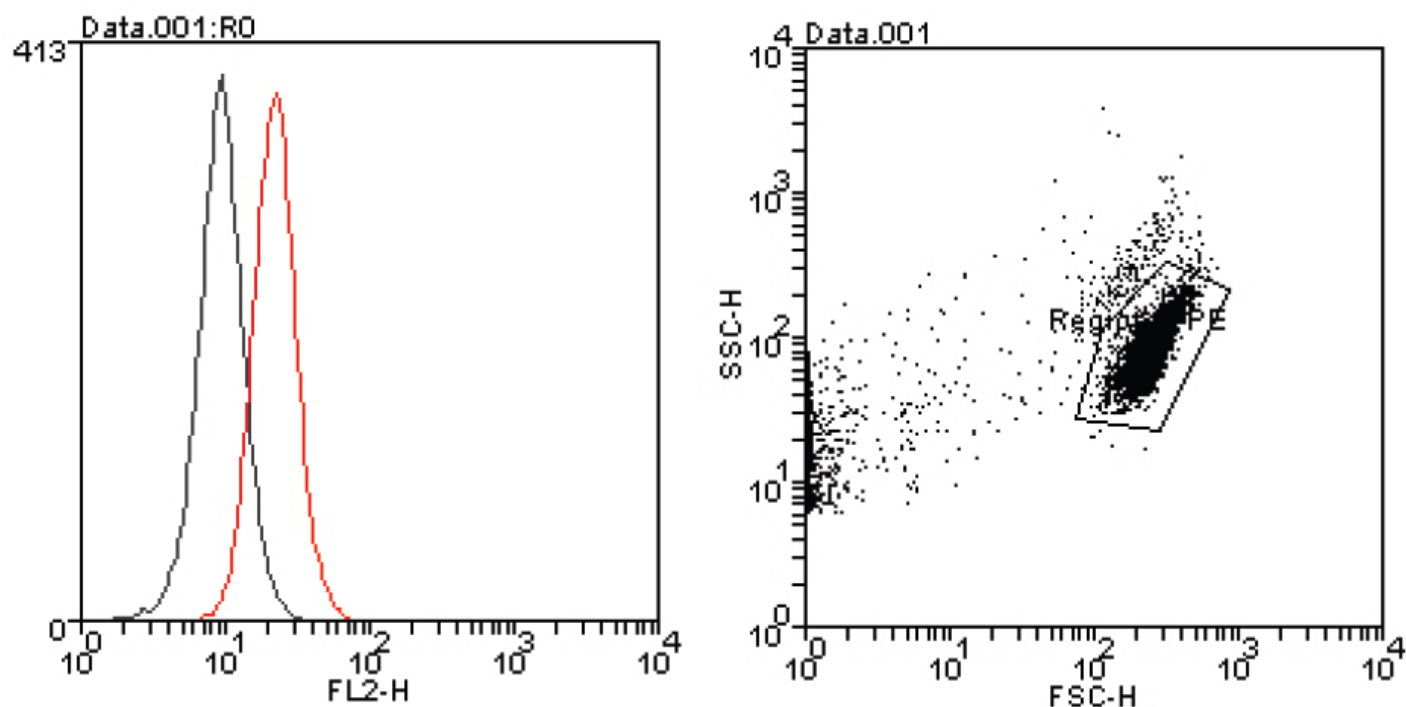
Suggested Dilution

1:5-1:50

Gentaur Molecular Products
Voortstraat 49
1910 Kampenhout, Belgium

FACS Analysis

Flow analysis of Jurkat cells using DyLight® 549 labeled monoclonal to Glutathione.



RELATED PRODUCTS

DetectX® Glutathione Fluorescent Detection Kit Catalog Number Koo6-F1
One sample measurement of GSH, GSSG and Total GSH
Most sensitive, simple assay available

AbX™ Monoclonal Glutathione Antibody Catalog Number Aoo1-50UG
AbX™ DyLight® 488 Monoclonal Glutathione Antibody Catalog Number Aoo1F-50UG