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Datasheet for ABIN577696

**anti-Glutathione antibody (DyLight 488)**

## Overview

Quantity:	50 µg
Target:	Glutathione
Reactivity:	Please inquire
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Glutathione antibody is conjugated to DyLight 488
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

## Product Details

Brand:	AbX™
Immunogen:	Glutathione conjugated to Keyhole Limpet Hemocyanin
Clone:	L4H
Isotype:	IgG2a
Characteristics:	Designed for Immunofluorescence and FACS Analysis Supplied as 50 µg in PBS For use under Non-Reducing conditions
Purification:	Purified

## Target Details

Target:	Glutathione
Abstract:	<a href="#">Glutathione Products</a>

## Target Details

Target Type:	Chemical
Background:	<p>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 NFkB activating signal cascade is suggested by the fact that the potent NFkB inducer TPA increases intracellular GSSG levels and GSSG/GSH ratios. The AbX™ DyLight® 488-labeled dye is similar to Alexa 488, Cy2 or FITC. It will measure GSH-protein complexes under non-reducing conditions.</p>

## Application Details

Application Notes:	<p>1:5-1:50 IMMUNOFLUORESCENCE Jurkat cells, permeabilized and incubated with our DyLight® 488 labeled Glutathione monoclonal, A001F-100UL, clone L4H, at a 1:25 dilution. 488 Filter unfiltered</p> <p>Flow analysis of Jurkat cells processed for immunofluorescence as above. Unstained cells Stained at 1x Stained at 5x</p>
Comment:	Designed for Immunofluorescence and FACS Analysis Supplied as 50 µg in PBS For use under Non-Reducing conditions
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	500 µg/mL
Buffer:	500 µg/mL in Phosphate Buffered Saline at pH 7.2 containing 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	<p>WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of</p>

## Handling

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potentially explosive deposits in lead or copper plumbing.

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Storage: 4 °C

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