



Mouse Anti-4-Hydroxy-Cyclophosphamide monoclonal antibody, clone 424 (CABT-L3218)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	4-Hydroxy-Cyclophosphamide
Immunogen	4-Hydroxy-Cyclophosphamide
Isotype	IgG
Source/Host	Mouse
Species Reactivity	N/A
Clone	424
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	IA
Format	Liquid
Concentration	Lot specific
Size	1 mg
Buffer	Phosphate Buffered Saline, pH 7.4
Preservative	0.09% Sodium Azide
Storage	Long time storage is recommended at -20°C.

BACKGROUND

Introduction

4-Hydroxycyclophosphamide is in the class of oxazaphosphorine compounds, and is the main, active metabolite of cyclophosphamide and of mafosfamide after they partially metabolized by cytochrome P450. It is then partially tautomerized into aldophosphamide, which, in turn, easily enters live cells and then is partially detoxified into inactive carboxycyclophosphamide by the enzyme ALDH, but partially is hydrolyzed by another cell's enzyme phosphatase to the two directly cytotoxic metabolites - phosphoramide mustard and acrolein.

Keywords

4-Hydroxycyclophosphamide;4-Hydroxy-Cyclophosphamide;Cas No. 40277-05-2;C7H15Cl2N2O3P;4-Hydroxycyclophosphamide;4-Hydroperoxydechlorocyclophosphamide;NSC 196562;CCRIS 5125;(R,S)-4-Hydroxy Cyclophosphamide;