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TECHNICAL DATASHEET

Monoclonal Anti-Doxycycline
Clone 24E2
Ref # BIO.021.0

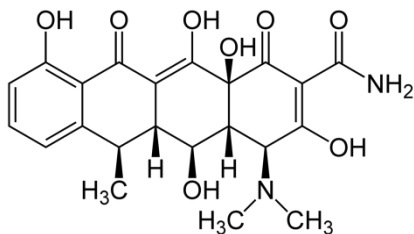
Product description

Description	Monoclonal antibody to doxycycline
Host species	Mouse
Tested applications	ELISA, LF
Species reactivity	All species
Specificity	Antibody specific to doxycycline
Cross reactivity	No cross-reactivity determined by competitive ELISA (100µg/ml): proguanil, mefloquine, minocycline, chlorotetracycline, tétracycline

Target exploration

Doxycycline is a tetracycline antibiotic class. It is used for the treatment of a number of infections such as relapsing fever, cholera, brucellosis, etc... Doxycycline is also used in prophylaxis against malaria.

Doxycycline Structural Formulae



Properties

Form	Purify
Storage instructions	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles

Storage buffer	Phosphate Buffered Saline 10 mM – NaCl 0.15 M– pH 7.4 – Thimerosal 0,01% may be used as preservative
Purity	IgG fraction
Clonality	Monoclonal
Isotype	IgG1
Restrictions	For research use only

Applications

ELISA	Use at an assay dependent concentration
Lateral Flow	Use at an assay dependent concentration

Optimal dilutions/concentrations should be determined by the end user