



Magic™ Anti-Ricinus communis Ricin RCA60 Monoclonal antibody, Clone SC000[Biotin] (DCAB-TJ081)

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

PRODUCT INFORMATION

Specificity	Recognizes the B-chain of RCA60 and RCA120.
Target	Ricinus communis Ricin RCA60
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Ricinus communis
Clone	SC000
Affinity Constant	Not Determined
Purification	≥ 95% pure (SDS-PAGE). Protein G Chromatography
Conjugate	Biotin
Applications	Suitable for use in ELISA and Western Blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Recommended Suggested pair for testing (Capture - Detection): DCAB-TJ158 - DCAB-TJ081
Format	Liquid
Concentration	2.7 mg/mL (OD280 nm, E0.1% = 1.4)
Size	1 mg

Buffer	0.01 M PBS, pH 7.2 Product contains no stabilizing proteins.
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Preservative	0.1% Sodium Azide
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Storage	Store at 2-8°C.
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BACKGROUND

Introduction	Ricin /ˈrɪtʃɪn/ is a highly toxic, naturally occurring lectin (a carbohydrate-binding protein) produced in the seeds of the castor oil plant <i>Ricinus communis</i> . A dose the size of a few grains of table salt can kill an adult human. The median lethal dose (LD50) of ricin is around 22 micrograms per kilogram of body weight (1.78 mg for an average adult, around 1/228 of a standard aspirin tablet/0.4 g gross) in humans if exposure is from injection or inhalation. Oral exposure to ricin is far less toxic, and an estimated lethal dose in humans is approximately 1 milligram per kilogram.
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Keywords	Ricin RCA60
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