EXBIO Antibodies

PRODUCT DATA SHEET

A7-505-T025

Monoclonal Antibody to Lambda light chains Alexa Fluor® 700 conjugated (25 tests)

Clone:	4C2
Isotype:	Mouse IgG1
Specificity:	The antibody 4C2 reacts with lambda light chains (22.5 kDa) of human immunoglobulin.
Regulatory Status:	RUO
Species Reactivity:	Human
Negative Species:	Hamster, Sheep, Goat, Rabbit, Guinea pig
Preparation:	The purified antibody is conjugated with Alexa Fluor® 700 under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage Buffer:	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage:	The reagent is designed for Flow Cytometry analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (0.1 ml) is sufficient for 25 tests.
Expiration:	See vial label
Lot Number:	See vial label
Background:	Immunoglobulin classes share the same basic four polypeptide chain structure of two heavy chains (five heavy chains types) and two light chains (kappa, lambda; both having a molecular weight of 22.5kDa). Kappa and lambda consist of a variable region and a constant region and can easily be differentiated by the antigenic properties of the constant region. The ratio of kappa to lambda is 70:30.
References:	*Franklin EC: Structure and function of immunoglobulins. Acta Endocrinol Suppl (Copenh). 1975;194:77-95.

For laboratory research only, not for drug, diagnostic or other use.

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