

# Anti-Mouse CD8a (Ly 2) In Vivo Antibody - Ultra Low Endotoxin

IVMB0069

## Description

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This Anti-Mouse CD8a (Ly 2) In Vivo Antibody - Ultra Low Endotoxin is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Product Information

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<b>SKU:</b>	IVMB0069
<b>Contents:</b>	1mg, 5mg, 25mg, 50mg, 100mg Bradford Reagent: 1 vial (2ml)
<b>Synonyms:</b>	T8, Lyt2, Ly-2
<b>Category:</b>	Monoclonal Antibody
<b>Target:</b>	CD8a
<b>Clone:</b>	53-6.7
<b>Isotype:</b>	Rat IgG2a κ
<b>Applications:</b>	<b>B</b> <b>CyTOF®</b> <b>Depletion</b> <b>FC</b> <b>IHC FF</b> <b>In Vivo</b> <b>IP</b> <b>PhenoCycler®</b> <b>WB</b>
<b>Specificity:</b>	Clone 53-6.7 recognizes Lyt 2. Clone 53-6.7 competes with clone 5H10-1 for binding to thymocytes.

## Antibody Data

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<b>Reactivity:</b>	Mouse
<b>Host species:</b>	Rat
<b>Expression Host:</b>	-
<b>Immunogen:</b>	Mouse Thymus or Spleen

### Manufacturers Statement

This final kit system is assembled and quality-released by Assay Genie Limited.

- Product concentration:**  $\geq 5.0$  mg/ml
- Endotoxin Level:**  $<0.5$  EU/mg as determined by the LAL method
- Purity:**  $\geq 98\%$  Monomer by analytical SEC,  $>95\%$  by SDS Page
- Formulation:** This monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.

## Preparation & Storage

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- Storage:** Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at  $\leq -70^\circ\text{C}$ . Avoid Repeated Freeze Thaw Cycles.  
Store Bradford Reagent at Room Temperature for 1 Year.
- Shipping:** Next Day 2-8°C
- Preparation:** Functional grade preclinical antibodies are manufactured in an animal free facility using in vitro cell culture techniques and are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.
- Recommended Dilution Buffer:** In vivo Antibody Diluent pH 7.2

Recommended Usage:	Application	Recommended Usage
	FC	The suggested concentration for this 53-6.7 antibody for staining cells in flow cytometry is $\leq 0.25$ $\mu\text{g}$ per $10^6$ cells in a volume of 100 $\mu\text{l}$ . Titration of the reagent is recommended for optimal performance for each application.
	WB	The suggested concentration for this 53-6.7 antibody for use in western blotting is 1-10 $\mu\text{g}/\text{ml}$ .

**Protein  
Quantification  
(Optional):**

To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol