



## CELL LAB Rat Anti-Mouse CD90.2/Thy-1.2

<u>Cat. No.</u>	<u>Form</u>	<u>Quantity</u>
732219	Purified (UNLB) Antibody	0.5 mg
732220	Fluorescein (FITC) Conjugate	0.5 mg
732221	Fluorescein (FITC) Conjugate	0.1 mg
732222	Biotin (BIOT) Conjugate	0.5 mg
732223	Phycoerythrin (PE) Conjugate	0.1 mg
731882	Phycoerythrin (PE) Conjugate	0.2 mg
732224	Allophycocyanin (APC) Conjugate	0.1 mg
732225	Spectral Red™ (SPRD) Conjugate	0.1 mg

### For Laboratory Use Only

#### DESCRIPTION

**Clone:** 30-H12  
**Isotype:** Rat (LOU/Ws1) IgG2b $\kappa$   
**Specificity:** Mouse CD90.2/Thy-1.2 alloantigen, Mr 18 kDa

CD90/Thy-1 is a GPI-anchored molecule and one of the smallest members of the immunoglobulin superfamily, consisting of a single V-set domain.<sup>1-3</sup> The Thy-1.2 alloantigen is expressed on all thymocytes, peripheral T lymphocytes, and some intraepithelial T cells of most mouse strains. It is also expressed in the brain and at varying levels on other non-lymphoid tissues. The 30-H12 Monoclonal antibody does not cross-react with mouse and rat strains bearing the Thy-1.1 alloantigen (for example, AKR/J, PL).<sup>2-5</sup>

#### APPLICATIONS

- Flow cytometry<sup>4,5</sup>
- Immunohistochemistry (acetone-fixed, frozen sections)
- *In vitro* depletion of T cells<sup>6,7</sup>

#### CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested to conform with characteristics of a standard reference reagent using flow cytometry.

#### WORKING DILUTIONS

<b>Flow Cytometry:</b>	Purified antibody	$\leq 1 \mu\text{g}/10^6$ cells
	FITC conjugate	$\leq 1 \mu\text{g}/10^6$ cells
	BIOT conjugate	$\leq 1 \mu\text{g}/10^6$ cells
	PE conjugate	$\leq 0.2 \mu\text{g}/10^6$ cells
	SPRD conjugate	$\leq 0.2 \mu\text{g}/10^6$ cells
	APC conjugate	$\leq 0.2 \mu\text{g}/10^6$ cells

**Other Applications:** Since applications vary, determine the optimum working dilution of the product that is appropriate for your specific needs.

## HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.0. No preservatives or amine-containing buffer salts added.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg or 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub>.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>.
- The phycoerythrin (PE) conjugates are supplied as 0.1 mg in 1.0 mL or 0.2 mg in 2.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent.
- The allophycocyanin (APC) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent.
- The Spectral Red (SPRD) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent.
- Protect fluorochrome-conjugated forms from light. Do not freeze.
- Reagent is stable until the expiration date on the vial when stored at 2-8°C.

## STATEMENT OF WARNINGS

1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use reagent beyond the expiration date on the vial label.
4. Minimize exposure of reagent to light during storage or incubation.
5. Avoid microbial contamination of reagent or erroneous results may occur.
6. Use Good Laboratory Practice (GLP) when handling this reagent.
7. Harmful if swallowed.
8. After contact with skin, wash immediately with plenty of water.
9. Contains sodium azide. Sodium azide under acidic conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, immediately wash excessively with water.

## TRADEMARKS

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## REFERENCES

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