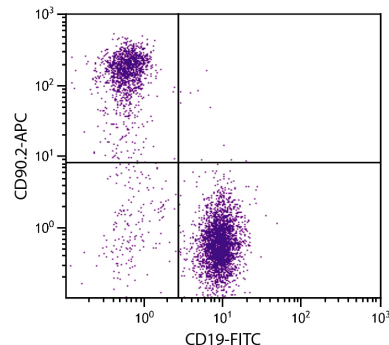




## Rat Anti-Mouse CD90.2

Cat. No.	Format	Size
1750-01	Purified (UNLB)	0.5 mg
1750-02	Fluorescein (FITC)	0.5 mg
1750-02S	Fluorescein (FITC)	0.1 mg
1750-08	Biotin (BIOT)	0.5 mg
1750-09	R-phycoerythrin (PE)	0.1 mg
1750-09L	R-phycoerythrin (PE)	0.2 mg
1750-11	Allophycocyanin (APC)	0.1 mg
1750-13	Spectral Red® (SPRD)	0.1 mg
1750-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
1750-26	Pacific Blue™ (PACBLU)	0.1 mg
1750-27	Alexa Fluor® 700 (AF700)	0.1 mg
1750-30	Alexa Fluor® 488 (AF488)	0.1 mg
1750-31	Alexa Fluor® 647 (AF647)	0.1 mg



BALB/c mouse splenocytes were stained with Rat Anti-Mouse CD90.2-APC (SB Cat. No. 1750-11) and Rat Anti-Mouse CD19-FITC (SB Cat. No. 1575-02).

### Overview

<b>Clone</b>	30-H12
<b>Isotype</b>	Rat (LOU/Ws1/M) IgG <sub>2b</sub> K
<b>Immunogen</b>	Mouse thymus or spleen
<b>Specificity</b>	Mouse CD90.2 (Thy-1.2 alloantigen); Mr 25-30 kDa
<b>Alternate Name(s)</b>	Thy-1.2

### Description

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. 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 (e.g., AKR/J, PL).

### Applications

FC – Quality tested<sup>1,2,9,10</sup>  
 IHC-FS – Reported in literature<sup>2,3</sup>  
 ICC – Reported in literature<sup>4</sup>  
 IP – Reported in literature<sup>1</sup>  
 Depletion – Reported in literature<sup>5,6</sup>  
 Costim – Reported in literature<sup>7,8</sup>  
 Apop – Reported in literature<sup>7,8</sup>

### Working Dilutions

<b>Flow Cytometry</b>	Purified (UNLB) antibody	≤ 1 µg/10 <sup>6</sup> cells
	FITC, BIOT, and AF488 conjugates	≤ 1 µg/10 <sup>6</sup> cells
	APC, SPRD, PACBLU, and AF647 conjugates	≤ 0.2 µg/10 <sup>6</sup> cells
	AF700 conjugate	≤ 0.1 µg/10 <sup>6</sup> cells
	PE conjugate	≤ 0.05 µg/10 <sup>6</sup> cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL	

**Other Applications** Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

**For Research Use Only. Not for Diagnostic or Therapeutic Use.**

## Handling and Storage

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- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg or 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is 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. Store at 2-8°C. **Do not freeze!**
- The allophycocyanin (APC) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red<sup>®</sup> (SPRD) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of PBS. **Aliquot and store at or below -20°C.**
- The Alexa Fluor<sup>®</sup> 488 (AF488), Alexa Fluor<sup>®</sup> 647 (AF647), Alexa Fluor<sup>®</sup> 700 (AF700), and Pacific Blue<sup>™</sup> (PACBLU) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

## Warning

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Some reagents contain sodium azide. Please refer to product specific (M)SDS.

## References

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Spectral Red<sup>®</sup> is a PE/CY5 tandem conjugate.

Cy<sup>®</sup> is a registered trademark of GE Healthcare.

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