

TECHNICAL DATA SHEET

# APC Anti-Mouse CD223 (LAG-3) (C9B7W)

Catalog Number: 20-2231

## PRODUCT INFORMATION

**Contents:** APC Anti-Mouse CD223 (LAG-3) (C9B7W)

**Isotype:** Rat IgG1, kappa

**Concentration:** 0.2 mg/mL

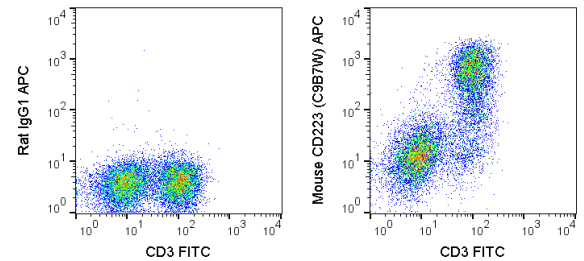
**Clone:** C9B7W

**Reactivity:** Mouse

**Use By:** 12 months from date of receipt

**Storage Conditions:** 2-8°C protected from light

**Formulation:** 10 mM NaH<sub>2</sub>PO<sub>4</sub>, 150 mM NaCl, 0.09% NaN<sub>3</sub>, 0.1% gelatin, pH7.2



C57Bl/6 splenocytes stimulated for 3 days with ConA and then stained with FITC Anti-Mouse CD3 (35-0031) and 0.25 ug APC Anti-Mouse CD223 (LAG-3) (20-2231) (right panel) or 0.25 ug APC Rat IgG1 isotype control (left panel).

## DESCRIPTION

The C9B7W monoclonal antibody reacts with mouse CD223, also known as Lymphocyte-activation gene 3 (LAG3). CD223 is a 70 kDa member of the Ig superfamily and is structurally homologous to CD4. Like CD4, CD223 binds to MHC Class II but with higher affinity than CD4. CD223 is expressed on T cells activated through the T cell receptor and on activated NK cells.

## PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

## APPLICATION NOTES

This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). Please refer to the figure legend for the optimal concentration used to stain the tissue shown. We recommend titrating the antibody under your specific conditions to determine the optimal concentration of antibody needed in your experimental system.

## REFERENCES

Baixeras E, Huard B, Miossec C, et al. 1992. *J Exp Med*. 176(2):327-337. Hannier S, Tournier M, Bismuth G, Triebel F. 1998. *J Immunol*. 161(8):4058-4065. Hannier S, Triebel F. 1999. *Int Immunol*. 11(11):1745-1752. Huang CT, Workman CJ, Flies D, et al. 2004. *Immunity*. 21(4):503-513. Prigent P, El Mir S, Dréano M, Triebel F. 1999. *Eur J Immunol*. 29(12):3867-3876. Workman CJ, Rice DS, Dugger KJ, Kurschner C, Vignali DA. 2002. *Eur J Immunol*. 32(8):2255-2263.

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