

**CD223 Rat monoclonal antibody**

Catalog: MB65845

Host: Rat

Reactivity: Mouse

BackGround:

Lymphocyte activation gene 3 (LAG-3, CD223) is an immune checkpoint control protein that negatively regulates T cells and immune responses. A CD4-like member of the Ig superfamily, LAG3 contains an extracellular IgV and three IgC domains, a transmembrane domain, and a short cytoplasmic region. LAG3 is primarily expressed by activated CD4+ T cells, CD8+ T cells, Tregs, and NK cells, where it's activated by MHC Class II molecules, its only known ligand. While it was initially shown to activate Treg cells, LAG3 can also inhibit CD8+ T cells. LAG3 is often co-expressed with PD-1 on the surface of tumor infiltrating lymphocytes, where the two proteins act independently to contribute to tumor-mediated immune suppression. Blockade of LAG3 is a promising strategy for neoplastic intervention.

Product:

Rat IgG1 kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.

Molecular Weight:

~ 57 kDa

Swiss-Prot:

Q61790

Purification&Purity:

The monoclonal antibody was affinity-purified from Rat antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IF (1/50 - 1/200)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes mouse CD223

DATA:**Note:**

For research use only, not for use in diagnostic procedure.

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