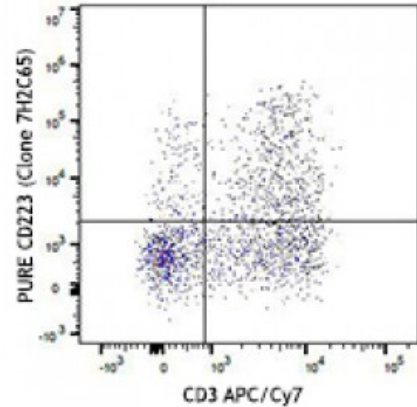


Purified anti-human CD223 (LAG-3)

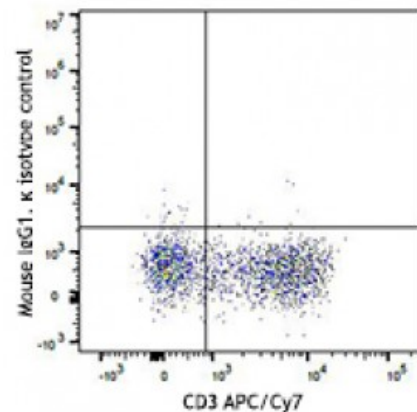
Catalog # / Size: 2446010 / 100 µg
Clone: 7H2C65
Isotype: Mouse IgG1, κ
Immunogen: Human LAG-3 transfected cells.
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5



PHA-stimulated (3-day) human peripheral blood lymphocytes were stained with CD3 APC/Cy7 and purified human CD223 (LAG-3, clone 7H2C65) (top) or mouse IgG1, κ isotype control (bottom), followed by anti-mouse IgG1 PE.

Applications:

Applications: Flow Cytometry
Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤1.0 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes: The staining of clone 7H2C65 cannot be blocked by clone 11C3C65, which is another anti-human CD223 (LAG-3) antibody.



Description: CD223, also known as LAG-3, is a 70 kD type I transmembrane glycoprotein that is involved in T-cell signaling. Similar to CD4, CD223 binds MHC class II, but with a higher affinity. CD223 negatively regulates T-cell activation. It is expressed by activated T-cells and natural killer cells (NKs), as well as regulatory T-cells. It is transiently expressed on the surface of activated T-cells in acute conditions but high expression is maintained under tolerizing conditions. CD223 deficiency results in reduced tumor growth. CD223 and PD-1 can act in synergy and reverse exhausted phenotypes, improve tumor rejection, and control viral load.

- Antigen References:**
1. Castelli C, *et al.* 2014. *Oncoimmunology* 3(11):e967146.
 2. Poirier N, *et al.* 2011. *Clin. Exp. Immunol.* 164:265.
 3. Juno JA, *et al.* 2015. *Retrovirology* 12:17.
 4. Casati C, *et al.*