

Anti-LAG-3 [C9B7W] Standard Size Ab01295-1.32

This antibody has a D265A mutation affecting Fc receptor engagement.

This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG1-D265A, Fc Silenced, Kappa

Clone Number: C9B7W

Alternative Name(s) of Target: CD223; LAG3; Lymphocyte activation gene 3 protein

UniProt Accession Number of Target Protein: Q61790

Published Application(s): Blocking, IP, FC

Published Species Reactivity: Mouse

Immunogen: This antibody was raised by immunising Lewis rats with a murine LAG-3:Ig fusion protein.

Specificity: This antibody is specific for an epitope in the D2 domain of murine LAG-3.

Application Notes: This antibody has been used in flow cytometric analysis of splenocytes (Workman et al, 2005), T cell hybridomas expressing wild-type or chimeric CD4:mouse LAG-3 (Workman et al, 2002) and CD4+ regulatory T cells (Chien et al, 2017). It has also been used in immunoprecipitation analysis of murine T hybridoma 3A9 cells transduced with murine LAG-3 (Li et al, 2004). This antibody blocks LAG-3 function in vitro, inhibiting antigen-induced IL-2 production in LAG-3-expressing T cell hybridomas, but does not block LAG-3:MHC class II interaction (Workman et al, 2002). Treatment with this antibody also blocks LAG-3 function in vivo, leading to accelerated homeostatic expansion of WT T cells (Workman et al, 2005). Administration of this LAG-3-blocking antibody, in combination with PD-L1 blockade, synergistically improves the survival of lymphodepleted myeloma-bearing mice (Jing et al, 2015).

Antibody First Published in: Workman et al. Phenotypic analysis of the murine CD4-related glycoprotein, CD223 (LAG-3) Eur J Immunol. 2002 Aug;32(8):2255-63 [PMID:12209638](#)

Note on publication: Describes the original generation of this antibody, and its characterisation.

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.