

Anti-LAG-3 [C9B7W] Bulk Size Ab01295-2.0-BT

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 IgG2a, 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: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.