Technical Data

Mouse anti- Human LAG-3 (blocking) (Lymphocyte Activation Gene-3, FDC Protein, CD223)

Catalog Number: MBS6006259

Lymphocyte activation gene 3 (LAG-3; CD223) plays an important role in negatively regulating T cell proliferation, function and homeostasis. It is required for maximal natural and induced regulatory T cell (Treg) function. LAG-3 is closely related to the T cell co-receptor CD4 and binds to MHC class II molecules but with a significantly higher affinity than CD4.

Applications:
Suitable for use in ELISA, Inhibition, Immunocytochemistry, Immunohistochemistry, Immunoprecipitation and Western Blot. Other applications not tested.

Recommended Dilutions:
ELISA: Capture
Immunohistochemistry: Frozen sections
Immunoprecipitation: 10ug/ml
Western Blot: 5ug/ml
Optimal dilutions to be determined by researcher.

Storage and Stability:
May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Type	Isotype	Clone	Grade
Mab	IgG1	11000	Purified
	Storage	**Shipping**	**Concentration**
	-20°C	Blue Ice	~0.5mg/ml

Size
100ug

Immunogen:
Recombinant protein corresponding to human LAG-3.

Purity:
Purified from hybridoma tissue culture supernatant >95% (SDS-PAGE). Endotoxin: ≤1EU/mg

Form:
Supplied as a liquid in PBS, 0.02% sodium azide,10% glycerol

Specificity:
Recognizes human LAG-3. *Species Crossreactivity:* monkey

Product Reference: Cellular expression and tissue distribution of the human LAG-3-encoded protein, an MHC class II ligand: B. Huard, et al.; Immunogenetics **39**, 213 (1994) Characterization of the major histocompatibility complex class II binding site on LAG-3 protein: B. Huard, et al.; PNAS **94**, 5744 (1997) A soluble lymphocyte activation gene-3 (sLAG-3) protein as a prognostic factor in human breast cancer expressing estrogen or progesterone receptors: F. Triebel, et al.; Cancer Lett. **235**, 147 (2006) Clonal regulatory T cells specific for a red blood cell autoantigen in human autoimmune hemolytic anemia: F.J. Ward, et al.; Blood **111**, 680 (2008)