

Mouse anti-Human CD223 (LAG3) Monoclonal Antibody | anti-CD223 antibody

Anti-Human CD223 (LAG3) FITC

CATALOG # AAA79342	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD223 (LAG3); Monoclonal Antibody; Anti-Human CD223 (LAG3) FITC; anti-CD223 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1, kappa
Clone Number	3DS223H
Purity/Purification	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
Form/Format	Phosphate-buffered aqueous solution, ?0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.
Concentration	5 uL (0.06 ug)/test (varies by lot)
Applicable Applications for anti-CD223 antibody	FCM/FACS (Flow Cytometry)
Conjugation	FITC
Laser	Blue (488nm)
Peak Emission	520nm
Peak Excitation	494nm
Filter	530/30
Brightness (1=dim,5=brightest)	3
Preparation and Storage	Product should be kept at 2-8°C and protected from prolonged exposure to light.The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

ADDITIONAL INFORMATION

Related Product Information for anti-CD223 antibody	The 3DS223H monoclonal antibody recognized human CD223, a 70 kDa glycoprotein that is also known as the Lymphocyte Activation Gene 3 (LAG-3). CD223 is an immune checkpoint receptor in the Ig superfamily and its main ligand is MHC class II, which it binds with higher affinity than CD4. It is reported to play a role in Treg suppressive activity and is involved in the maturation and activation of dendritic cells
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References

Anvari, S., Grimbergen, A., Davis, C. M., & Makedonas, G. (2017). Protein transport inhibitors downregulate the expression of LAG-3 on regulatory T cells. *Journal of immunological methods*, 447, 47-51.

Jiang, Z., Jiang, X., Chen, S., Lai, Y., Wei, X., Li, B.,... & Liu, Q. (2017). Anti-GPC3-CAR T cells suppress the growth of tumor cells in patient-derived xenografts of hepatocellular carcinoma. *Frontiers in immunology*, 7, 690.

Long, A. H., Highfill, S. L., Cui, Y., Smith, J. P., Walker, A. J., Ramakrishna, S.,... & Mackall, C. L. (2016). Reduction of MDSCs with all-trans retinoic acid improves CAR therapy efficacy for sarcomas. *Cancer immunology research*, canimm-0230.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd223-lag3-antibody-clone-3ds223h-flow-cytometry-elisa/79342>