

Product datasheet for **TA355132**

Lymphocyte Activation Gene 3 (LAG3) Mouse Monoclonal Antibody [Clone ID: 1G4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1G4
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	ELISA start at 0.25 ug/mL. WB start at 0.25 ug/mL. ICC start at 1 ug/mL. IF start at 10 ug/mL. IHC start at 5 ug/mL. FC start at 1 ug/mL.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	LAG-3 antibody was raised against the extracellular domain of human LAG-3
Formulation:	LAG-3 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	LAG-3 Antibody is supplied as protein A purified IgG1.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 55 kDa; Observed: 60, 70, 80 kDa
Gene Name:	lymphocyte activating 3
Database Link:	NP_002277 Entrez Gene 3902 Human P18627

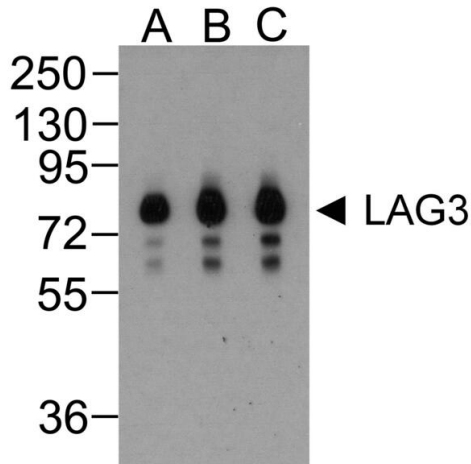
Background: The lymphocyte activation gene-3 (LAG3) is a member of the immunoglobulin superfamily and binds MHC class II with high affinity, negatively regulating T-cell function and homeostasis. It is expressed in B, T, and NK cells, monocytes, and dendritic cells, and acts to regulate T cell expansion. LAG3 is also an important immune checkpoint protein, with anti-LAG3 antibodies activating T effector cells and affecting regulatory T cell functions. Furthermore LAG3 appears to act in a synergistic fashion with PD-1/PD-L1, suggesting that a dual antibody approach may prove useful in cancer immunotherapy.



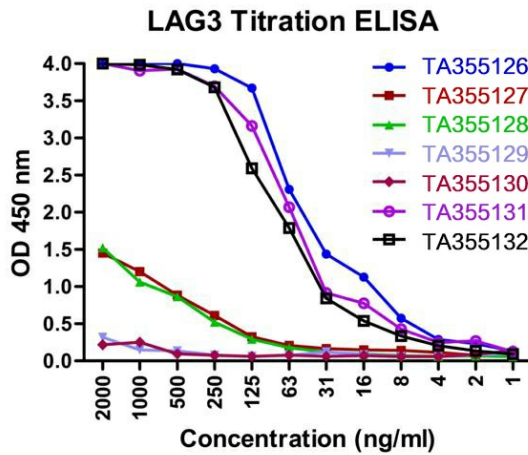
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Synonyms: CD223; FDC; LAG-3

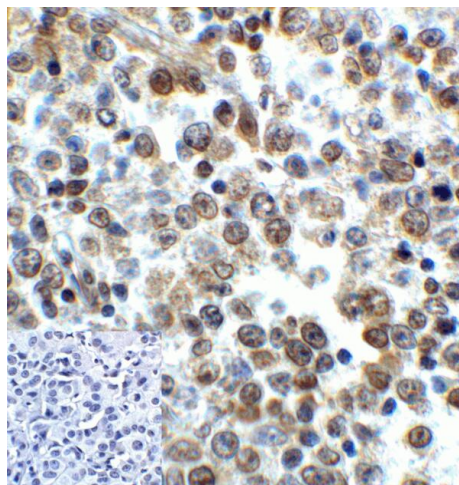
Product images:



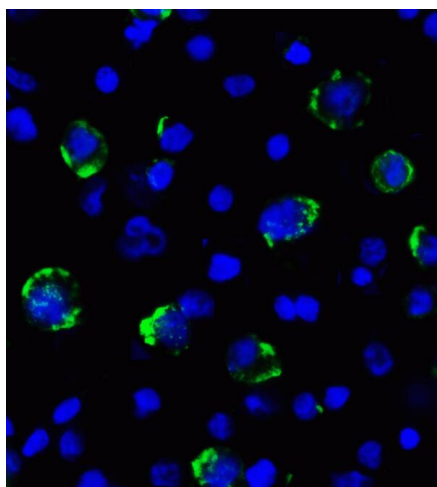
Western blot analysis of LAG-3 in over expressing HEK293 cells using LAG-3 antibody at (A) 0.25 (B) 0.5 and (C) 1 ug/ml.



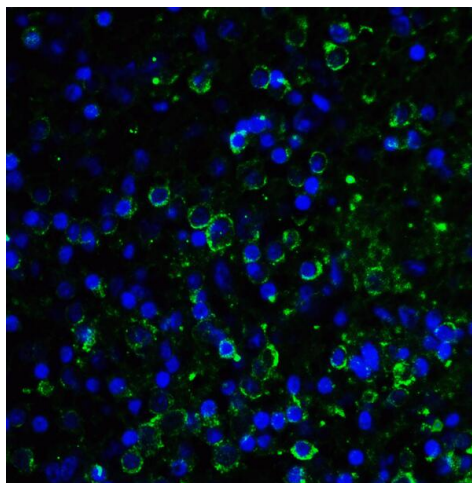
Titration curve analysis of LAG-3 mAbs to detect recombinant LAG-3 in ELISA with [TA355126], [TA355127], [TA355128], [TA355129], [TA355130], [TA355131] and TA355132 antibodies at decreasing concentrations.



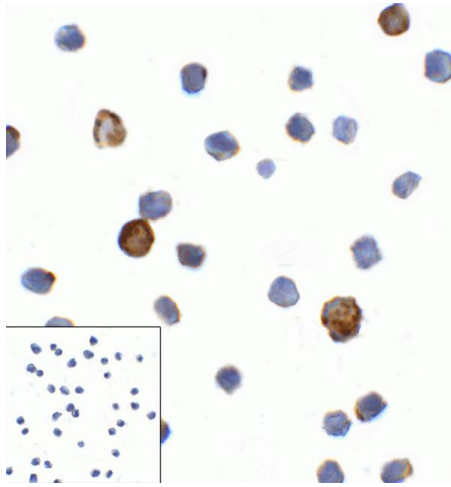
Immunohistochemistry of LAG-3 in human lymphoma tissue using LAG-3 Antibody and control mouse IgG (corner box) at 5 ug/ml.



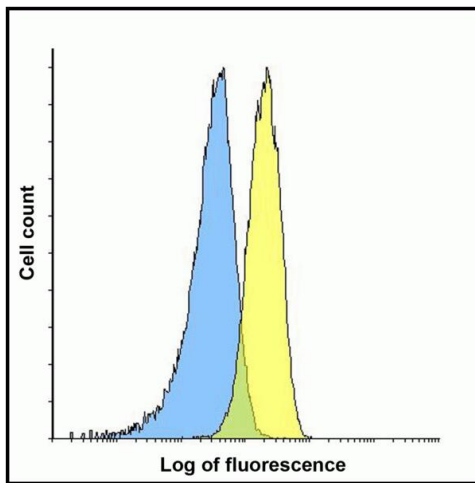
Immunofluorescence of LAG-3 in over-expressing HEK293 cells using LAG-3 Antibody at 2 ug/ml.



Immunofluorescence of LAG-3 in over human spleen tissue using LAG-3 Antibody at 10 ug/ml.



Immunocytochemistry of LAG-3 in over expressing HEK293 cells using LAG-3 antibody and control mouse IgG antibody (left corner box) at 1 ug/ml.



Flow cytometry analysis of LAG-3 over expressing HEK293 cells using LAG-3 antibody at 1 ug/ml. Blue: untransfected HEK293 cells. Yellow: LAG-3 over expressing HEK293 cells.