

Product datasheet for **TA355129**

Lymphocyte Activation Gene 3 (LAG3) Mouse Monoclonal Antibody [Clone ID: 6B12]

Product data:

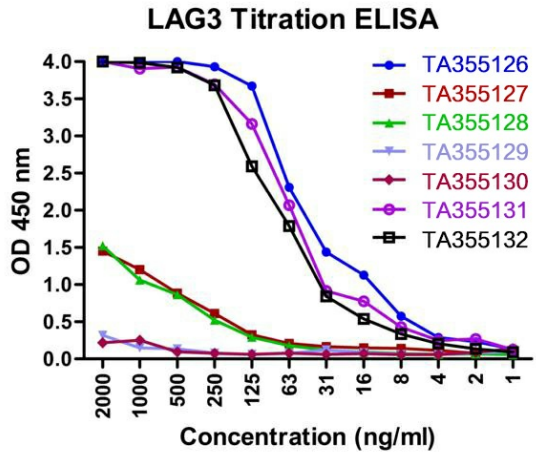
| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | 6B12 |
| Applications: | ELISA, FC, IF, IHC |
| Recommended Dilution: | ICC start at 1 ug/mL. IF start at 10 ug/mL. IHC start at 5 ug/mL. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1, kappa |
| 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. |



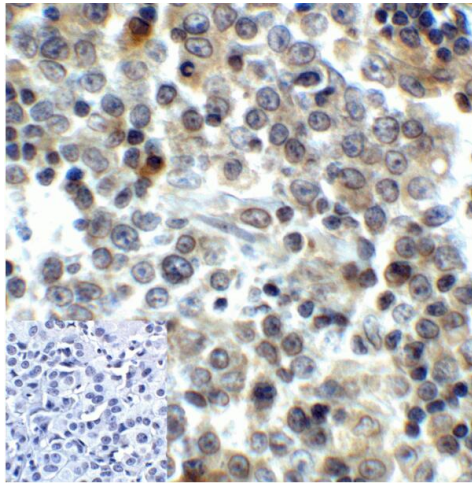
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Synonyms: CD223; FDC; LAG-3

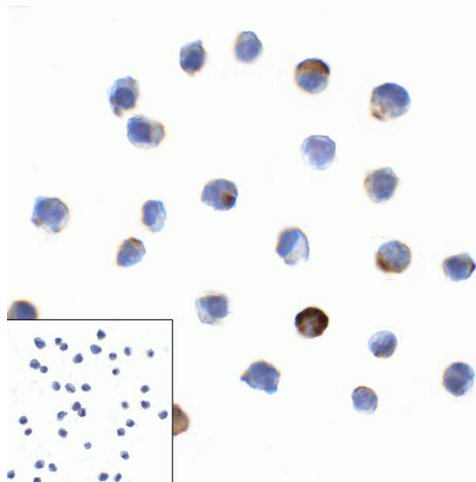
Product images:



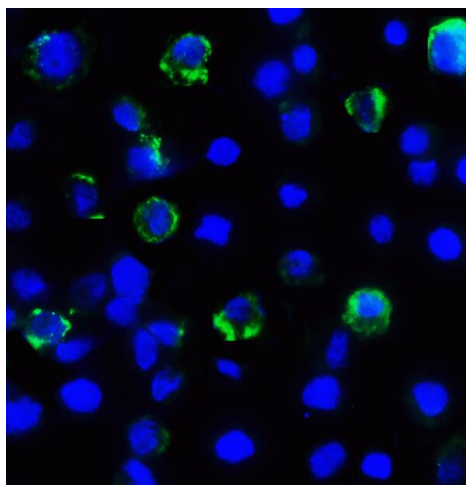
Titration curve analysis of LAG-3 mAbs to detect recombinant LAG-3 in ELISA with [TA355126], [TA355127], [TA355128], TA355129, [TA355130], [TA355131] and [TA355132] antibodies at decreasing concentrations.



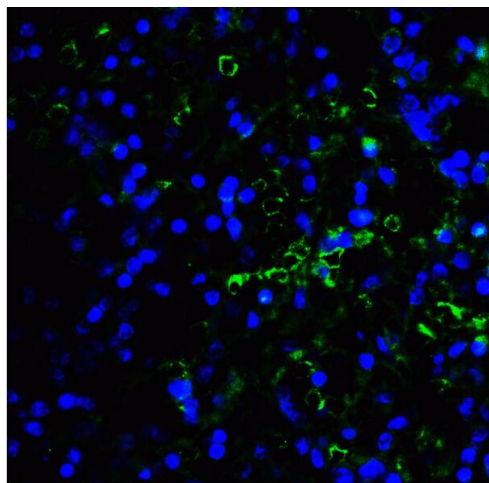
Immunohistochemistry of LAG-3 in human lymphoma tissue using LAG-3 Antibody and control mouse IgG (corner box) at 5 ug/ml.



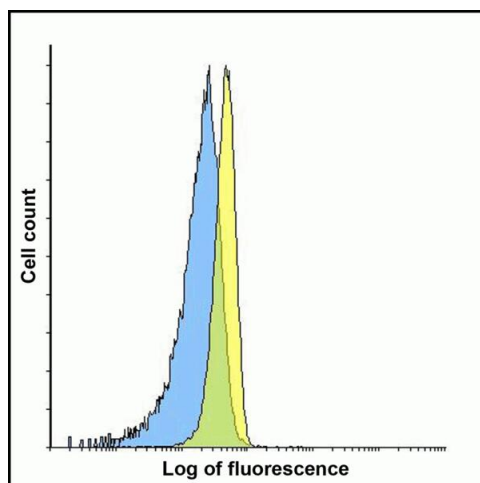
Immunocytochemistry of LAG-3 in over-expressing HEK293 cells using LAG-3 antibody and control mouse IgG antibody (left corner box) at 1 ug/ml.



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.



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.