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# LAG-3
# Recombinant Rabbit Monoclonal Antibody
# Product Datasheet

**Catalog#** BX50215

**Clone#** BP6192

**Predicted Molecular Wt:** 57kDa
**Species Cross-reactivity:** Human
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG
**Form:** Liquid
**Swissprot ID:** P18627

**Background:**
Lymphocyte activation gene 3(LAG-3,CD223)is an immune checkpoint control protein that negatively regulates T cellsand immuneresponses.A CD4-like member of the Ig superfamily,LAG3 contains an extracellular IgVand three IgC domains,a transmembrane domain,and a short cytoplasmicregion.LAG3 is primarily expressed by activatedCD4+T cells,CD8+T cells, Tregs and NK cells,where it's activated by MHC ClassII molecules,its only known ligand.While itwas initially shown to activate Treg cells,LAG3 can also inhibit CD8+T cll.LAG3 is often co-expressed with PD-1 on the surface of tumor infiltrating lymphocytes,where the two proteins act independentlytocontribute to tumor-mediated immune suppression.Blockade of LAG3 is a promising strategy for neoplastic intervention.

**Subcellular location:**
Membrane

**Recommended method:**
Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0),primary antibody incubate at RT(18℃-25℃) for 30 minutes.

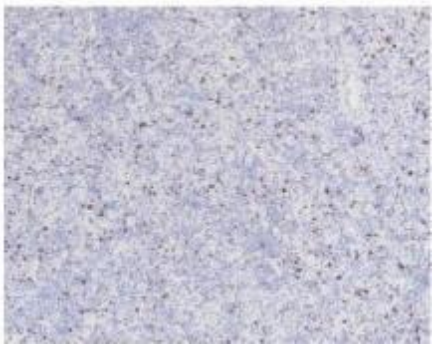
**Immunogen:**
Synthetic peptide within Human LAG-3.

**Storage Buffer:**
PBS 59%,Sodium azide 0.01%,Glycerol40%,BSA 0.05%.

**Storage conditions:**
-25℃ to-18℃

**Storage instructions:**
Shipped on blue ice.Upon delivery,aliquot,and store at -25℃ to-18℃.Avoid freeze/thaw cycles.

**Recommended Dilutions:**
IHC-P: 1:100-1:200



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)analysis of human lymphoma tis sue labelling LAG-3 with **BP6192.Heat mediated antigen retrieval was** performed using Tris/EDTA buffer pH 9.0

**Background References:**
1.Matsuzaki,J.et al.(2010)Proc Natl Acad SciUSA107,7875-80.

2.Woo,S.R.et al.(2012)Cancer Res 72,917-27.

**Product QC'd by:**

**For research use only.Not for use in diagnostic or therapeutic applications.**