

## Recombinant Lymphocyte activation gene 3 protein Antibody

Rabbit Monoclonal Antibody [Clone LAG3/16984R]

| Catalog No       | Format                                       | Size   |
|------------------|----------------------------------------------|--------|
| 3902-RBM14-P0    | Purified Ab with BSA and Azide at 200ug/ml   | 20 ug  |
| 3902-RBM14-P1    | Purified Ab with BSA and Azide at 200ug/ml   | 100 ug |
| 3902-RBM14-P1ABX | Purified Ab WITHOUT BSA or Azide at 1.0mg/ml | 100 ug |

| Applications               | Tested Dillution | Note                                                                                                                                                                              |
|----------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunohistochemistry (IHC) | 1-2ug/ml         | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

### Product Details

|                               |                                                                                    |
|-------------------------------|------------------------------------------------------------------------------------|
| <b>Clone</b>                  | LAG3/16984R                                                                        |
| <b>Immunogen</b>              | Recombinant human LAG3 protein                                                     |
| <b>Host</b>                   | Rabbit                                                                             |
| <b>Clonality</b>              | Monoclonal                                                                         |
| <b>Isotype / Light Chain</b>  | IgG / Kappa                                                                        |
| <b>Mol. Weight of Antigen</b> | 57.45kDa                                                                           |
| <b>Cellular Localization</b>  | Cell membrane, Secreted                                                            |
| <b>Species Reactivity</b>     | Human                                                                              |
| <b>Positive Control</b>       | Primarily expressed in activated T-cells and a subset of natural killer (NK) cells |

*\*Optimal dilution for a specific application should be determined.*

### Product Images for Recombinant Lymphocyte activation gene 3 protein Antibody

#### Specificity & Comments

Lymphocyte activation gene 3 protein: Inhibitory receptor on antigen activated T-cells (PubMed:20421648, PubMed:7805750, PubMed:8647185). Delivers inhibitory signals upon binding to ligands, such as FGL1 (By similarity). FGL1 constitutes a major ligand of LAG3 and is responsible for LAG3 T-cell inhibitory function (By similarity). Following TCR engagement, LAG3 associates with CD3-TCR in the immunological synapse and directly inhibits T-cell activation (By similarity). May inhibit antigen-specific T-cell activation in synergy with PDCD1/PD-1, possibly by acting as a coreceptor for PDCD1/PD-1 (By similarity). Negatively regulates the proliferation, activation, effector function and homeostasis of both CD8(+) and CD4(+) T-cells (PubMed:20421648, PubMed:7805750, PubMed:8647185). Also mediates immune tolerance: constitutively expressed on a subset of regulatory T-cells (Tregs) and contributes to their suppressive function (By similarity). Also acts as a negative regulator of plasmacytoid dendritic cell (pDCs) activation (By similarity). Binds MHC class II (MHC-II); the precise role of MHC-II-binding is however unclear (PubMed:8647185)., May function as a ligand for MHC class II (MHC-II) on antigen-presenting cells (APC), promoting APC activation/maturation and driving Th1 immune response.

#### Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

#### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

#### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.