# CD161 / KLRB1 (Killer cell lectin like receptor B1) Antibody

Mouse Monoclonal Antibody [Clone KLRB1/8910]

| Catalog No | Format | Size |
|---|---|---|
| 3820-MSM1-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 3820-MSM1-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 3820-MSM1-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

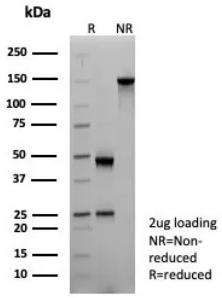
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) | 2-4ug/ml | |

## Product Details

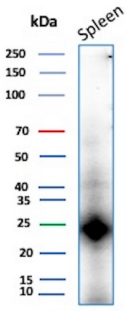
| | |
|---|---|
| **Clone** | KLRB1/8910 |
| **Gene Name** | KLRB1 |
| **Immunogen** | Recombinant fragment (around aa1-225) of human KLRB1 protein (exact sequence is proprietary) |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG1 / Kappa |
| **Mol. Weight of Antigen** | 25kDa |
| **Cellular Localization** | Membrane. Cytoplasm. |
| **Species Reactivity** | Human |
| **Positive Control** | Human prostate\|kidney, Spleen or thyroid cancer tissue. |

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

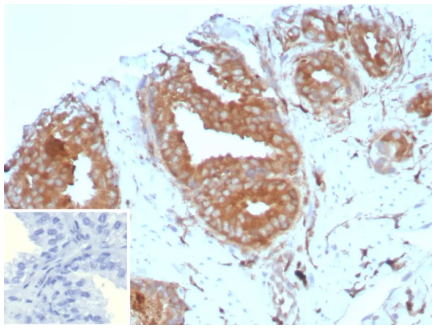
## Product Images for CD161 / KLRB1 (Killer cell lectin like receptor B1) Antibody




SDS-PAGE Analysis of Purified CD161 Mouse Monoclonal Antibody (KLRB1/8910). Confirmation of Purity and Integrity of Antibody.




Western Blot Analysis of human Spleen tissue lysate using CD161 Mouse Monoclonal Antibody (KLRB1/8910).



Formalin-fixed, paraffin-embedded human prostate stained with CD161 Mouse Monoclonal Antibody (KLRB1/8910). Inset: PBS instead of primary antibody; secondary only negative control.

## Specificity & Comments

Natural killer (NK) and T cells express a superfamily of proteins with structural features of C-type lectins. T cells bearing natural killer receptors (NKRs) such as CD94 and CD161 are present in psoriasis. CD161 mediates NK cell activation and functions as an activating receptor. CD161 is a prototypic marker of NK cells, although it is also found on a subset of CD8+ T cells. The expression of NK receptors on CD8+ T cells can be considered a marker of cytotoxic effector T cells that are expanded in vivo after antigenic activation leading to extensive proliferation. The transcription, mRNA accumulation, and surface expression of CD161, a molecule involved in triggering cytotoxicity, is specifically upregulated by IL-12.

## Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. 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.

## Research Areas

Hematopoietic Stem Cells, Immunology

## 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.