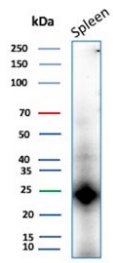
CD161 Antibody / KLRB1 [clone KLRB1/8910] (V5592)

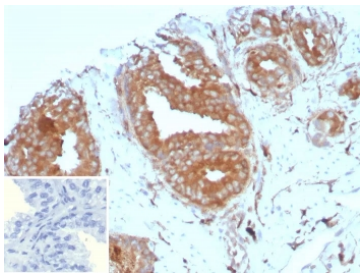
Catalog No.	Formulation	Size
V5592-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5592-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5592SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

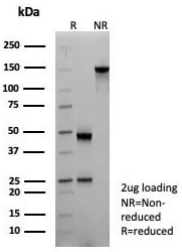
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	KLRB1/8910
Purity	Protein A/G affinity
UniProt	Q12918
Localization	Cytoplasm, Cell membrane
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This CD161 antibody is available for research use only.



Western blot testing of human spleen tissue lysate with CD161 antibody. Predicted molecular weight ~25 kDa but may be observed at higher molecular weights due to glycosylation.



IHC staining of FFPE human prostate tissue with CD161 antibody (clone KLRB1/8910). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free CD161 antibody (clone KLRB1/8910) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the CD161 antibody should be determined by the researcher.

Immunogen

A recombinant fragment (within amino acids 1-225) of human KLRB1 protein was used as the immunogen for the CD161 antibody.

Storage

Aliquot the CD161 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com