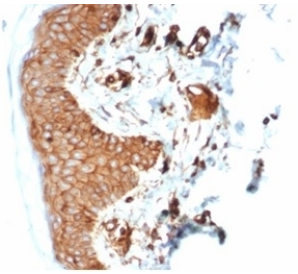
Recombinant B2M Antibody B2M/7013R / Beta-2 Microglobulin Rabbit MAb [clone B2M/7013R] (V9454)

Catalog No.	Formulation	Size
V9454-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9454-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9454SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

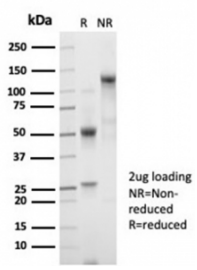
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	B2M/7013R
Purity	Protein A affinity
UniProt	P61769
Localization	Cell Surface, Extracellular (Secreted)
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This Recombinant B2M Antibody B2M/7013R is available for research use only.



Recombinant B2M Antibody B2M/7013R Immunohistochemistry. IHC staining of FFPE human skin with recombinant B2M antibody (clone B2M/7013R). 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 recombinant B2M antibody (clone B2M/7013R) as confirmation of integrity and purity.

Description

Recombinant B2M Antibody B2M/7013R recognizes a protein of 12kDa, identified as beta-2 microglobulin. Major histocompatibility complex (MHC) class 1 molecules bind to antigens for presentation on the surface of cells. The proteasome is responsible for producing these antigens from the components of foreign pathogens. MHC class 1 molecules consist of an alpha heavy chain that contains three subdomains (alpha1, alpha2, alpha3) and a non-covalent associating light chain, known as beta-2-Microglobulin. Beta-2-Microglobulin associates with the alpha3 subdomain of the alpha heavy chain and forms an immunoglobulin domain-like structure that mediates proper folding and expression of MHC class 1 molecules. The alpha1 and alpha2 domains of the alpha heavy chain form the peptide antigen-binding cleft. Mutations in the beta-2-Microglobulin gene can enhance the progression of malignant melanoma phenotypes.

For additional research on beta-2 microglobulin expression, MHC class I complexes and antigen presentation, including a protein microarray validated reagent, see our Beta-2 Microglobulin Antibody / MHC Class I Component Antibody page.

Application Notes

Optimal dilution of the Recombinant B2M Antibody B2M/7013R should be determined by the researcher.

Immunogen

Recombinant full-length human B2M protein was used as the immunogen for the recombinant B2M antibody.

Storage

Aliquot the recombinant B2M 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
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