

# Product Datasheet

## Desmin Antibody (OTI4G1) - Azide and BSA Free NBP2-70565

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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Updated 9/9/2025 v.20.1

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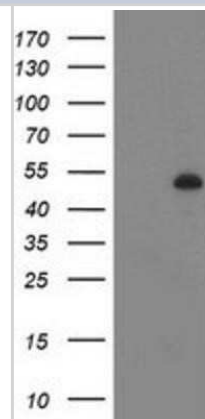
**NBP2-70565**

Desmin Antibody (OTI4G1) - Azide and BSA Free

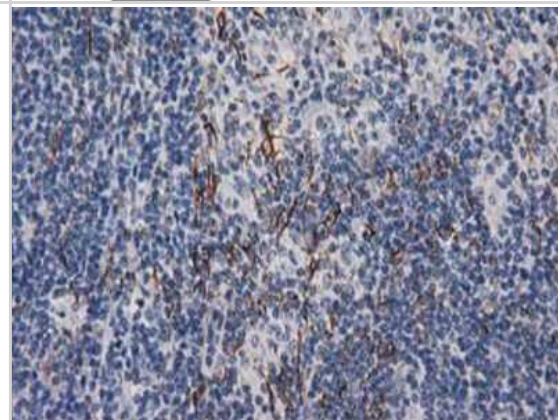
Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI4G1
Preservative	No Preservative
Reconstitution Instructions	we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process.
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	Lyophilized from PBS (pH 7.3) with 8% Trehalose
Target Molecular Weight	53.4 kDa
Product Description	
Description	Novus Biologicals Mouse Desmin Antibody (OTI4G1) - Azide and BSA Free (NBP2-03539) is a monoclonal antibody validated for use in IHC, WB and Flow. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	1674
Gene Symbol	DES
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Human fragment corresponding to amino acids 104-391 of human DES (NP_001918) produced in E.coli.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, CyTOF-ready
Recommended Dilutions	Western Blot 1:200-500, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunohistochemistry-Paraffin, CyTOF-ready

## Images

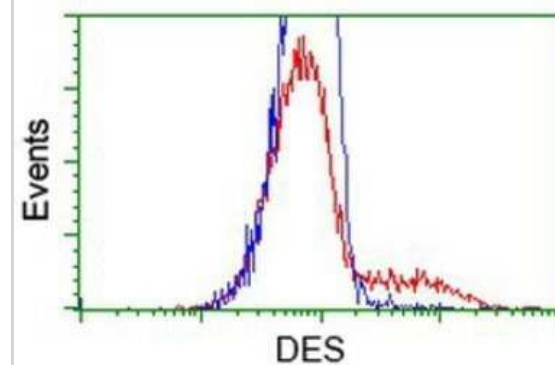
Western Blot: Desmin Antibody (OTI4G1) - Azide and BSA Free [NBP2-70565] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY Desmin (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-Desmin.



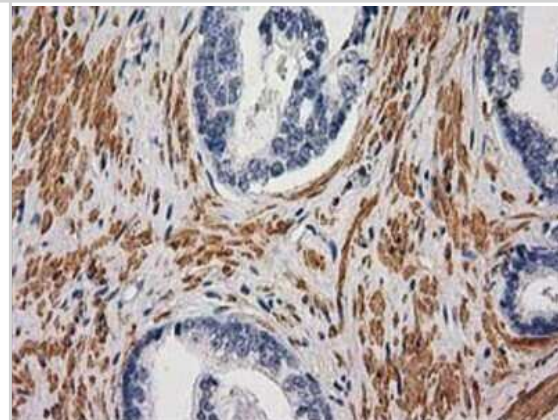
Immunohistochemistry: Desmin Antibody (OTI4G1) - Azide and BSA Free [NBP2-70565] - Staining of paraffin-embedded Human lymphoma tissue using anti-Desmin mouse monoclonal antibody.



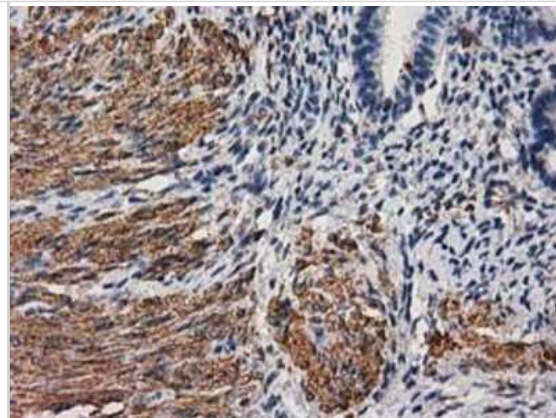
Flow Cytometry: Desmin Antibody (OTI4G1) - Azide and BSA Free [NBP2-70565] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostaining by anti-Desmin antibody, and then analyzed by flow cytometry.



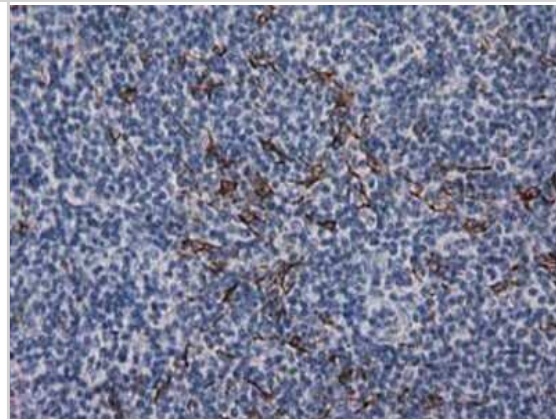
Immunohistochemistry: Desmin Antibody (OTI4G1) - Azide and BSA Free [NBP2-70565] - Staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-Desmin mouse monoclonal antibody.



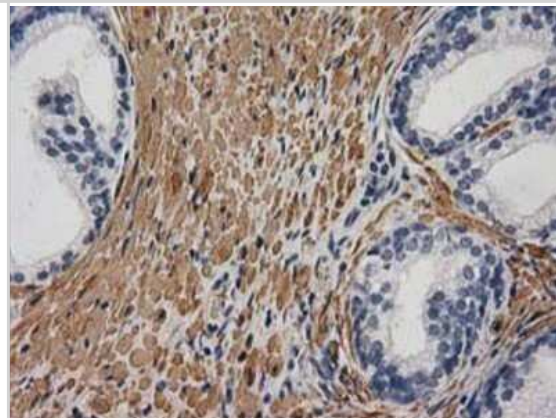
Immunohistochemistry: Desmin Antibody (OTI4G1) - Azide and BSA Free [NBP2-70565] - Staining of paraffin-embedded Human endometrium tissue using anti-Desmin mouse monoclonal antibody.



Immunohistochemistry: Desmin Antibody (OTI4G1) - Azide and BSA Free [NBP2-70565] - Staining of paraffin-embedded Human lymph node tissue using anti-Desmin mouse monoclonal antibody.



Immunohistochemistry: Desmin Antibody (OTI4G1) - Azide and BSA Free [NBP2-70565] - Staining of paraffin-embedded Human prostate tissue using anti-Desmin mouse monoclonal antibody.





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### **Products Related to NBP2-70565**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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