

# Product Datasheet

## Defensin alpha 5 Antibody (8C8) - Azide and BSA Free NBP2-80693

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-80693](http://www.novusbio.com/NBP2-80693)

Updated 8/21/2023 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-80693](http://www.novusbio.com/reviews/destination/NBP2-80693)



**NBP2-80693**

Defensin alpha 5 Antibody (8C8) - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	2.35 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	8C8
Preservative	No Preservative
Isotype	IgG2b
Purity	Protein G purified
Buffer	Tris-Glycine, 0.15 M NaCl
Target Molecular Weight	10 kDa

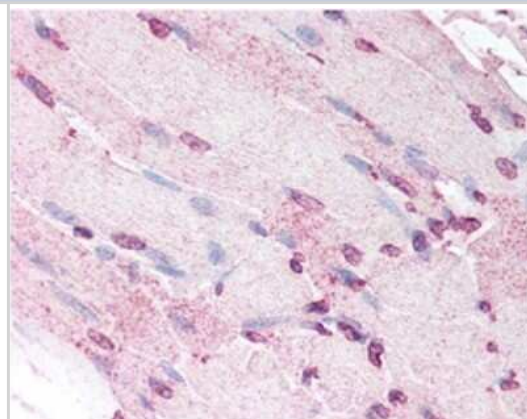
Product Description	
Host	Mouse
Gene ID	1670
Gene Symbol	DEFA5
Species	Human
Immunogen	Full-length human Defensin alpha 5 [Swiss-Prot# Q01523]. The propeptide is the full-length protein. In the mature form, it is cleaved at residue 63 (alanine).

Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1 ug per million cells, ELISA reported in scientific literature, Immunohistochemistry 5-10 ug/ml, Immunocytochemistry/Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 5-10 ug/ml, Immunohistochemistry-Frozen reported in scientific literature (PMID 30612153), Dot Blot reported in scientific literature
Application Notes	In Western blot a band is observed ~10 kDa. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

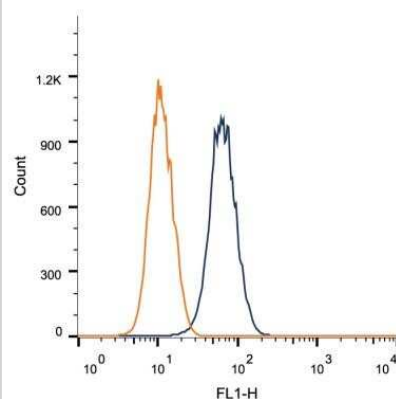


## Images

Immunohistochemistry: Defensin alpha 5 Antibody (8C8) - Azide and BSA Free [NBP2-80693] - Human skeletal muscle myocytes showing moderate nuclear and faint cytoplasmic staining. Image from the standard format of this antibody.



Flow Cytometry: Defensin alpha 5 Antibody (8C8) - Azide and BSA Free [NBP2-80693] - Intracellular flow cytometric staining of  $1 \times 10^6$  MCF-7 cells using Defensin alpha 5 antibody (dark blue). Isotype control shown in orange. An antibody concentration of  $1 \mu\text{g}/1 \times 10^6$  cells was used. Image from the standard format of this antibody.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-80693**

---

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
H00001670-P01-2ug	Recombinant Human Defensin alpha 5 GST (N-Term) Protein

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-80693](http://www.novusbio.com/reviews/submit/NBP2-80693)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

