

# Product Datasheet

## Aldo-keto Reductase 1C1/AKR1C1 Antibody (X197) NBP1-42550

Unit Size: 0.05 mg

Store at 4C. Do not freeze.

[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/NBP1-42550](http://www.novusbio.com/NBP1-42550)

Updated 3/30/2022 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/NBP1-42550](http://www.novusbio.com/reviews/destination/NBP1-42550)



**NBP1-42550**

Aldo-keto Reductase 1C1/AKR1C1 Antibody (X197)

<b>Product Information</b>	
<b>Unit Size</b>	0.05 mg
<b>Concentration</b>	0.1 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	X197
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS, 0.1% BSA
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	1645
<b>Gene Symbol</b>	AKR1C1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Human
<b>Specificity/Sensitivity</b>	Human C9 is a soluble glycoprotein of 61 kD. It is the last component in the assembly of the membrane attack complex (MAC). When the complement is activated on target membranes, multiple copies of C9 bind to the C5b-8 complex and assemble the barrel-shaped pore which causes cell lysis. The conformation of C9 changes from globular to a tubular form. The binding of C9 to C5b-8 plays a key role in the function of C9.
<b>Immunogen</b>	The antibody reacts with the C9 antigen.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
<b>Application Notes</b>	The antibody can be used for immuno assays, flow cytometry and Western blotting. Furthermore the antibody is useful for immunohistology on frozen and paraffin sections and inhibition of C9 binding to C5b-8. For immunohistology, flow cytometry and Western blotting dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10. For neutralization of biological activity dilutions have to be made according to the amounts C9 to be inactivated.





### **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  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **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/NBP1-42550](http://www.novusbio.com/reviews/submit/NBP1-42550)

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

