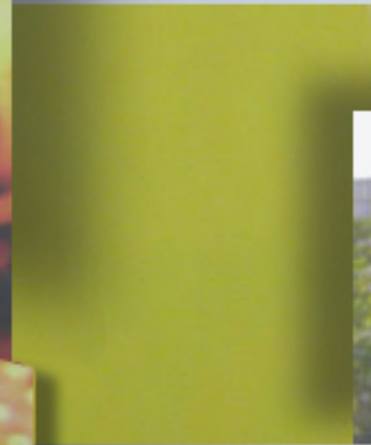


# ADAR BIOTECH

*Products & Services*



# Table of Content

<b>Company Overview</b> .....	<b>2</b>
<b>Affinity Media</b>	
Blue Beads .....	<b>3</b>
Gelatin Beads .....	<b>3</b>
Heparin Beads .....	<b>3</b>
<b>Tag-Binding Beads</b>	
Nickel Beads .....	<b>4</b>
Glutathione Beads .....	<b>4</b>
<b>Activated Beads</b>	
Epoxy-Activated Beads .....	<b>5</b>
DVS-Activated Beads .....	<b>5</b>
DVS-A-Activated Beads .....	<b>5</b>
<b>Immunology</b>	
AdaTR Adjuvant .....	<b>6</b>
AdaTR Platinum Adjuvant .....	<b>6</b>
<b>Activated Carriers</b>	
Maleimide-Activated BSA .....	<b>7</b>
Maleimide-Activated Ova .....	<b>7</b>
Maleimide-Activated KLH .....	<b>7</b>
<b>Antibodies Purification</b>	
Ig-Thio-Capture Beads .....	<b>8</b>
Adar's Protein G Beads .....	<b>8</b>
Adar's Protein A Beads .....	<b>8</b>
Adar's Protein G .....	<b>8</b>
Adar's Protein A .....	<b>9</b>
<b>Avidin Beads</b>	
Biotin-Capture Beads (avidin column) .....	<b>10</b>
Mono-Avidin Beads (avidin column) .....	<b>10</b>
Imino-Biotin Beads .....	<b>10</b>
<b>Immuno Precipitations</b>	
Anti-Rabbit Beads .....	<b>11</b>
Anti-Mouse Beads .....	<b>11</b>
Adar's Protein G Beads .....	<b>11</b>
Adar's Protein A Beads .....	<b>11</b>
<b>Protein Size-Markers</b>	
Adar's Biotinilated Protein Size-Markers .....	<b>12</b>
<b>Services</b> .....	<b>13</b>

## Company Overview

**Adar Biotech**, incorporated in March 2006 is a diversified company, manufacturing products, providing scientific services and conducting R&D in the field of medical technology. **Adar Biotech** manufactures functional resins, recombinant proteins and antibodies. The functional resins are used in the purification of recombinant, tagged proteins and antibodies. This group of products enjoys wide popularity due to the excellent performance combined with cost effectiveness. **Adar Biotech** has developed and applies in these products its proprietary **TargetLock** chemistry. The use of **TargetLock** chemistry improves the chemical stability and durability of these products upon repeated uses.

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## Adar Biotech's Mission

To combine innovation with excellence by developing quality products accompanied by professional and friendly scientific support.



# Products

## Affinity Media

### Blue Beads

Cat. 6028-5/10/25 ml

Adar's Blue Beads are primarily used for quick removal of albumins from protein-containing samples. The Cibacron Blue F3GA dye used in this product acts as a versatile binding agent binding to both charged and non-charged site in various molecules. Product was optimized for the removal of Bovine albumins while minimizing loss of other proteins present in sample.

### Gelatin Beads

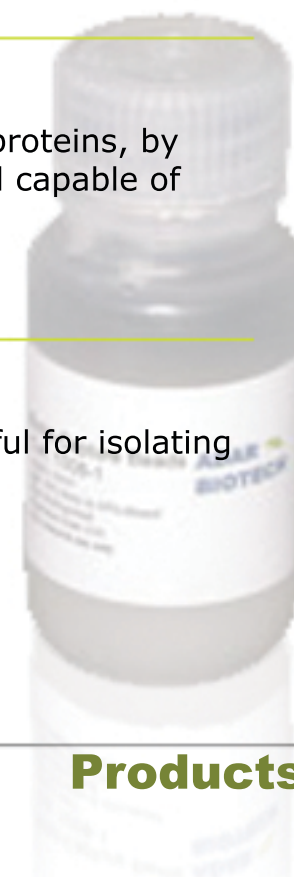
Cat. 6025-5/10/25 ml

Gelatin affinity media is commonly used for the purification of various proteins, mainly serum proteins, by affinity chromatography. Adar's Gelatin Beads are made with highly purified Bovine Gelatin and capable of purifying human fibronectin.

### Heparin Beads

Cat. 6024-5/10/25 ml

Adar's Heparin Beads are made by coupling Heparin to Sepharose beads. These beads are useful for isolating heparin-binding protein from various species.





### Nickel Beads

Cat. 1018-5/10/25 ml

Adar's Nickel Beads is a quality product, of the immobilized metal affinity chromatography (IMAC) family. It was carefully optimized for the binding of HIS tagged proteins while minimizing non-specific binding in both bacterial and mammalian lysates.

### Glutathione Beads

Cat. 1005-5/10/25 ml

Glutathione Beads is quality product, carefully optimized for the binding of GST tagged proteins while minimizing non-specific binding in both bacterial and mammalian lysates.



### Epoxy-Activated Beads

Cat. 1004-5/10/25 ml

Adar's Epoxy-Activated beads is a versatile product for the conjugation of amine and hydroxyl containing ligands to the free epoxy groups present on beads. The resulting linkage is both stable and functional in term of ligand binding.

### DVS-Activated Beads

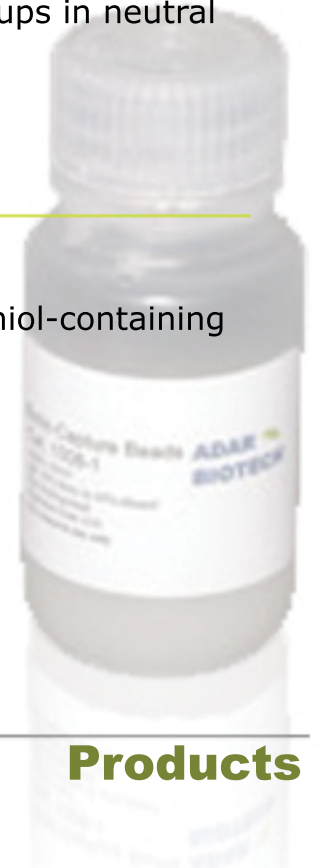
Cat. 1007-5/10/25 ml

Adar's divinyl Sulfone (DVS) activated beads are capable of efficient immobilization of thiol groups in neutral pH values, or hydroxyles and amines between pH values of 8.0-11.0.

### DVS-A-Activated Beads

Cat. 1002-5/10/25 ml

Adar's divinyl Sulfone-acid (DVS-A) activated beads are capable of efficient immobilization of thiol-containing molecules between pH 6.0-7.2.



### AdaTR Adjuvant

Cat. 5007-10/10X5/10X10 ml

AdaTR Adjuvant is proprietary adjuvant mixture, formulated to be used for the immunization of laboratory animals such as Mice and Rabbits. Composition is guaranteed to minimize stress to the animals by minimizing inflammatory responses, while maintaining excellent humeral immune response to antigen, resulting with the induction of high affinity, high titer antibodies.

### AdaTR Platinum Adjuvant

Cat. 5009-10/10X5/10X10 ml

AdaTR Platinum Adjuvant is proprietary adjuvant mixture, formulated to be used for the immunization of laboratory animals such as Mice and Rabbits. Compared with AdaTR Adjuvant, AdaTR Platinum Adjuvant contains proprietary immunostimulators components. Composition is guaranteed to minimize stress to the animals by minimizing inflammatory responses, while maintaining excellent humeral immune response to antigen, resulting with the induction of high affinity, high titer antibodies.



### Maleimide-Activated BSA

Cat. 1025-2/10 mg

Adar's Maleimide-Activated BSA will simplify the production of hapten - carrier conjugates for immunizations by crosslinking the activated BSA to cysteine - containing peptides through thiol groups.

### Maleimide-Activated Ova

Cat. 1026-2/10 mg

Adar's Maleimide-Activated Ova will simplify the production of hapten - carrier conjugates for immunizations by crosslinking the activated Ova to cysteine - containing peptides through thiol groups.

### Maleimide-Activated KLH

Cat. 1027-2/10 mg

Adar's Maleimide-Activated KLH will simplify the production of hapten - carrier conjugates for immunizations by crosslinking the activated KLH to cysteine - containing peptides through thiol groups.



### **Ig-Thio-Capture Beads**

Cat. 1015-5/10/25 ml

Adar's Maleimide-Activated BSA will simplify the production of hapten - carrier conjugates for immunizations by crosslinking the activated BSA to cysteine - containing peptides through thiol groups.

### **Adar's Protein G Beads**

Cat. 1017-1/5/10/25 ml

Adar's protein G Sepharose beads enable the purification of most IgGs subclasses from human, rabbit and goat using one step affinity purification.

### **Adar's Protein A Beads**

Cat. 1016-1/5/10/25 ml

Adar's Protein A Beads enable the purification of most IgGs subclasses from human Rabbit and Goat using one step affinity purification.

### **Adar's Protein G**

Cat. 1042-10/50/250 mg

Adar's protein G binds to most IgGs subclasses from human, Rabbit, mouse and Goat.





## Adar's Protein A

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Cat. 1043-10/50/250 mg

Adar's protein A binds most IgGs subclasses from human, Rabbit, mouse and Goat.



### **Biotin-Capture Beads (avidin column)**

Cat. 1008-1/5 ml

Adar's (Biotin-Capture) Avidin beads are useful carriers for biotinylated molecules, in various applications such as the construction of affinity columns or for conducting immuno-precipitations (IP).

### **Mono-Avidin Beads (avidin column)**

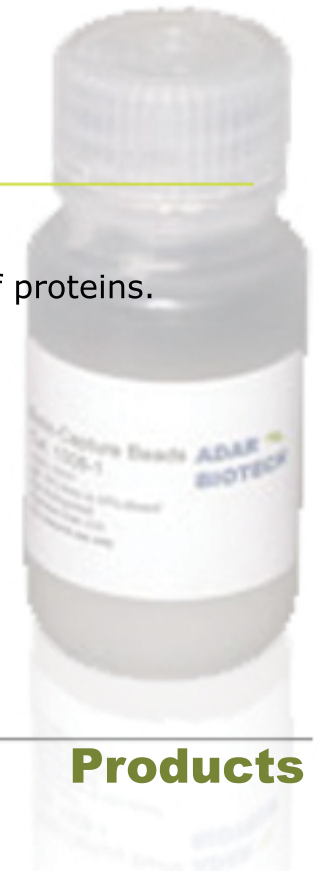
Cat. 1009-1/5 ml

Adar's Mono-Avidin beads are very useful for mildly binding and eluting biotinylated molecules, in various applications such as affinity purifications or immuno-precipitations (IP).

### **Imino-Biotin Beads**

Cat. 1011-5/10/25 ml

Adar's Imino-Biotin Beads are capable of binding and mildly eluting the various avidin family of proteins.



### **Anti-Rabbit Beads**

Cat. 1031-5/10/25 ml

Adar's are suitable for fast sedimentation of Rabbit antibodies with bound antigen in immuno precipitation (IP) applications.

### **Anti-Mouse Beads**

Cat. 1032-5/10/25 ml

Adar's Anti-Mouse Beads are suitable for fast sedimentation of Goat antibodies with bound antigen in immuno precipitation (IP) applications.

### **Adar's Protein G Beads**

Cat. 1017-1/5/10/25 ml

Adar's protein G Sepharose beads enable the purification of most IgGs subclasses from human, rabbit and goat using one step affinity purification.

### **Adar's Protein A Beads**

Cat. 1016-1/5/10/25 ml

Adar's Protein A Beads enable the purification of most IgGs subclasses from human Rabbit and Goat using one step affinity purification.



### Adar's Biotinilated Protein Size-Markers

Cat. 1029-0.2/0.5/1.0 ml

Adar's Protein A Beads enable the purification of most IgGs subclasses from human Rabbit and Goat using one step affinity purification.



# Services

## Peptides

- » Peptide Synthesis (Cat. 1070)
- » Peptide Labeling (Cat. 1063)
- » Peptide-Carrier Conjugation (Cat. 1062)
- » Long Peptides by Transcription (Cat. 1071)

## Monoclonal/Polyclonal Antibodies

- » Monoclonal Antibodies (Cat. 1086)
- » Rabbit Polyclonals (Cat. 1081)
- » Rabbit Polyclonals (Extended) (Cat. 1081a)
- » Chicken Polyclonals (Cat. 1080)
- » IgY Extraction/Purification (Cat. 1079)
- » IgY Affinity Purification (Cat. 1082a/b)
- » IgG Affinity Purification (Cat. 1083a/b)
- » Adaptation of Hybridomas to Protein-Free media (Cat. 1087)
- » Monoclonal Antibodies Production/Purification (Cat. 1088)

## Chemical Conjugations

- » Peptide-Carrier Conjugation (Cat. 1062)
- » Protein Conjugations (Cat. 1056)
- » Antibody Conjugation to FITC (Cat. 1061)
- » Antibody Conjugation to FITC (Extended) (Cat. 1060)

Adar Biotech's Research services include: Custom peptide synthesis. Monoclonal and polyclonal antibodies development. Bioassay development services: ELISA, rapid tests, fluorescence-based and HTS compatible assays. Custom conjugations of fluorophores and other markers to proteins. Gene cloning and gene expression. Protein purification and folding. Turn key R&D projects services.

## Custom Affinity Columns/Purifications

- » Affinity Columns Construction (Cat. 1050)
- » IgY Affinity Purification (Cat. 1082a/b)
- » IgG Affinity Purification (Cat. 1083a/b)

## Assay Development

- » ELISA Development (Cat. 1090)
- » Bio-Assay development (Cat. 1092)

## Gene Cloning and Expression

- » Gene Cloning and Expression (Cat. 2000)

## Protein Purifications

- » Protein Purifications (Cat. 2001)

## Turn Key Project

- » Turn Key Projects (Cat. 2003)





# ADAR BIOTECH

27 Yavne Rd.  
Rehovot 76360  
ISRAEL.

**Laboratory:**

16, Hacharash St. Keny Center Bldg.  
Suite #217  
Ness Ziyona 74031  
ISRAEL



+972 8 946 8176  
+972 8 930 1152



+972 8 946 7750



[contact@adarbiotech.com](mailto:contact@adarbiotech.com)

