

# Product Datasheet

## Anti-Goat HRP-DAB IHC Detection Kit CTS008-NOV

Unit Size: 50 Tests

Store at 4°C.

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

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**CTS008-NOV****Anti-Goat HRP-DAB IHC Detection Kit****Product Information**

<b>Unit Size</b>	50 Tests
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4°C.

**Product Description**

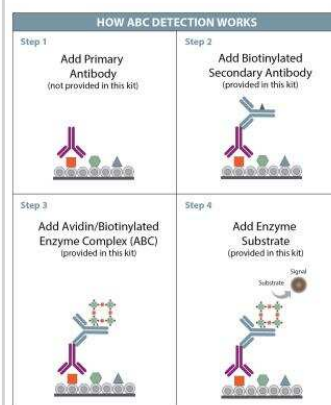
<b>Description</b>	<p>Detection is based on the formation of the Avidin-Biotin Complex (ABC) with primary antibodies that react with tissue antigens under study. Visualization is based on enzymatic conversion of a chromogenic substrate 3,3' Diaminobenzidine (DAB) into a colored brown precipitate by horseradish peroxidase (HRP) at the sites of antigen localization, which can then be viewed using brightfield microscopy. The high detection sensitivity of staining kits is achieved by using high quality secondary Biotinylated Antibodies and High Sensitivity Streptavidin conjugated to HRP (HSS-HRP). High Sensitivity Streptavidin is a chemical analog of Streptavidin that has little net positive charge at neutral or slightly alkaline pH and will interact only with biotin attached to secondary antibodies. HSS-HRP shows little or no non-specific binding to phospholipids, nucleic acids and carbohydrate binding proteins.</p> <p>The Cell and Tissue Staining Kits are manufactured to work equally well on cryostat and paraffin-embedded tissue sections, cytospin preparations (i.e. lymphocytes, monocytes, or transfected cells) and free-floating tissue sections. The kits are made in a ready-to-use format including pre-diluted secondary Biotinylated Antibodies and HSS-HRP that eliminates the need for extra steps in the procedure, minimizes hands-on time, maximizes convenience and reduces the risk of erroneous calculations.</p>
<b>Species</b>	Goat
<b>Kit Components</b>	6 ml of a Peroxidase Blocking Reagent, 6 ml of an Avidin Blocking Reagent, 6 ml of a Biotin Blocking Reagent, 6 ml of a Biotinylated Anti-goat Antibody (Vial A), 6 ml of a HSS-HRP (Vial B), 2 ml of DAB Chromogen, 2 vials of DAB Chromogen Buffer, 6 ml of Goat Serum Blocking Reagent D, Dropper Bottle

**Product Application Details**

<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunohistochemistry Free-Floating
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunohistochemistry Free-Floating

**Images**

Immunohistochemistry: Anti-Goat HRP-DAB IHC Detection Kit [CTS008-NOV]



## Publications

Smith J, Cao H, Edmondson E Et al. Cholecystokinin-B Receptor-Targeted Nanoparticle for Imaging and Detection of Precancerous Lesions in the Pancreas Biomolecules 2021-11-25 [PMID: 34944412]



### 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. Kits are guaranteed for 6 months from date of receipt.

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