

DATASHEET

Apo-D (GCDFP-24) Monoclonal Antibody

Catalog Number: SIG-39780

Available Size: 0.2 mL, 0.5 mL, 1.0 mL

Description:

Monoclonal Antibody against Apolipoprotein-D (ApoD)

(Formerly Signet Catalog Nos: 9780-02, 9780-05, 9780-10)

Also Known As:

apolipoprotein D; apo-D

Intended Use:

Research Use Only (RUO)

This product is sold for laboratory research use only, not for human or in-vivo use.

Clone:

8CD6

Host:

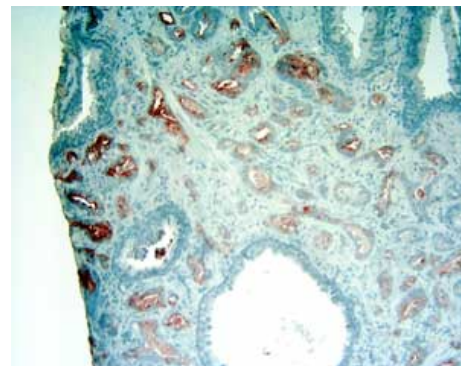
Mouse

IsoType:

IgG1

[Ab]:

1 mg/mL



Form:

Tissue Culture Supernatant (in PBS; no preservatives or carrier proteins)

Specificity:

The anti-APO-D antibody, clone 8CD6, recognizes Apolipoprotein-D, a 24 kDa progesterone binding glycoprotein.

This antibody was generated against APO-D, a progesterone binding glycoprotein of 24,000 dalton monomer molecular size.

Uses:

This antibody is effective in immunoblotting, immunohistochemistry (IHC) and ELISA.

Suggested Working Dilution:

The optimal working dilution should be determined for each specific assay condition.

- Western: 1:1,000-1:10,000
- IHC: 1:200 for biotin based detection systems such as USA Ultrastreptavidin Detection (SIG-32250)

Tissue Sections: Formalin-fixed, paraffin-embedded tissues

Pretreatment: For optimal staining, the sections should be pretreated with an antigen unmasking solution such as Retrieve-All 1 (SIG-31910) or Sodium Citrate (SIG-31932)

Incubation: 20-60 min at room temperature

Storage:

Store at -20°C or below. Upon initial thawing, apportion into working aliquots and store at -20°C or below. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody. Do not store in frost-free freezers.

References:

Thomas EA, et al. Increased CNS levels of apolipoprotein D in schizophrenic and bipolar subjects: Implications for the pathophysiology of psychiatric disorders. *Proc Natl Acad Sci* 98(7):4066-4071, 2001.

See reverse side for additional information

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Antibody Products: +1.800.922.2226 • +1.510.594.3800

Email: ab.products@covance.com www.covance.com

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Kolodny EH. Niemann-Pick disease. *Curr Opin Hematol* 7(1):48-52, 2000.

Kalman J, et al. Apolipoprotein D in the aging brain and in Alzheimer's dementia. *Neurol Res* 22(4):330-6, 2000. Franz G, et al. Increased expression of apolipoprotein D following experimental traumatic brain injury. *J Neurochem* 73(4):1615-25, (1999).

Montpied P, et al. Hippocampal alterations of apolipoprotein E and D mRNA in vivo and in vitro following kainate excitotoxicity. *Epilepsy Res* 35(2):135-46, 1999.

Navarro A, et al. Pattern of apolipoprotein D immunoreactivity in human brain. *Neurosci Letts* 254(1):17-20, 1998.

Suresh S, et al. Cellular cholesterol storage in the Niemann-Pick disease type C mouse is associated with increased expression and defective processing of apolipoprotein D. *J Neurochem* 70(1):242-51, 1998.

Terrisse L, et al. Increased levels of apolipoprotein D in cerebrospinal fluid and hippocampus of Alzheimer's patients. *J Neurochem* 71(4):1643-50, 1998.

Ong, WY, et al. Differential expression of apolipoprotein D and apolipoprotein E in the kainic acid-lesioned rat hippocampus. *Neurosci* 79:359-367, 1997.

Zeng C, et al. A human axillary odorant is carried by apoprotein D. *Proc Natl Acad Sci USA*, 93:6626-6630, 1996.

Aspinall JO, et al. Differential expression of apoprotein-D and prostate specific antigen in benign and malignant prostate tissues. *J Urol* 154:622-628, 1995.

Warranty/Conditions:

Covance products may not be resold or modified for resale without prior written approval. All sales are subject to Covance Antibody Products Terms and Conditions of Sale.

Datasheet Revision Date:

11/6/2011

Related Products:

- Sodium Citrate H.I.E.R., 1x (SIGNET) Catalog Number SIG-31932
- Retrieve-All Antigen Unmasking System 1: Universal, 100x (SIGNET) Catalog Number SIG-31910
- Ultrastreptavidin (USA) Horseradish peroxidase (HRP) 50 Test, Multi-Species, DAB Detection Kit (SIGNET) Catalog Number SIG-32250