E06 mAb
E06 Mouse Monoclonal Antibody (IgM) Anti-(Oxidized Phospholipid)

330001S-100ug

Molecular Weight
-900,000 Da
Antigen
Oxidized Low Density Lipoprotein (ox LDL)
Ig Class
Mouse IgM kappa
Specificity
E06 recognizes the phosphocholine headgroup of oxidized phospholipid that is present in oxidized LDL and PC-modified BSA. E06 does not bind to normal LDL or unoxidized PC.

Antibody Source
Monoclonal antibody from C57BL/6-derived hybridoma E06
Production
In vitro cell culture
Recommended Applications
ELISA, IHC and WB
Purification
Ultrafiltration through 100 KDa cut-off filters
Purity
≥ 60%
Physical State
E06 is provided as a 0.2μm sterile filtered solution in phosphate-buffered saline.
Storage
E06 is shipped frozen on dry ice. It can be kept at -80°C for long-term storage. Once thawed, store undiluted at 4°C. Freeze-thaw cycles will result in significant loss of activity
Expiration Date
One year from date of receipt
M Lot Number
5021SDA026
Avanti Lot Number
330001S-100UG-A-026

Protein by BCA
Mean ± S.D. (n=3) against bovine γ-globulin standards
0.741 ± 0.040 mg/mL

SDS-PAGE
25 µg sample run on a 4-20% SDS-PAGE gradient gel against Bio-Rad Dual Color standards.
Intact heavy and light IgM chains present

Direct ELISA
10 – 10,000 ng/mL E06 bound to 250 ng/well PC-BSA using a luminescent assay.
Strong, saturable binding of E06 to PC-BSA

Fig. 1 Direct ELISA Immobilized antigens, PC-BSA probed with the E06 antibody followed by Goat Anti-Mouse IgM-AP. E06 binding was measured as AP-dependent chemiluminescence.

Fig. 2 SDS-PAGE gel of purified E06 antibody. The antibody was reduced with β-mercaptoethanol. Lanes 1 & 3, Bio-Rad Dual Color Standards (5 µL), Lane 3 E06 25 µg.

Approved By: [Signature]

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