

## APOE

### Mouse Anti-Human Apo-E, Very Low Density Lipoprotein (Clone 3D12) mAb

<b>Catalog No.</b>	MON5029	<b>Quantity:</b>	0.5 mg
<b>Alternate Names:</b>	Apolipoprotein E		
<b>Description:</b>	The monoclonal antibody recognizes Very Low Density Lipoprotein (Apo-E), a major apoprotein of the chylomicron which binds to a specific liver and peripheral cell receptor, and is essential for the normal catabolism of triglyceride-rich lipoprotein constituents.		
<b>UniProt ID::</b>	P02649		
<b>Gene ID:</b>	348		
<b>Host:</b>	Mouse		
<b>Specificity:</b>	The antibody reacts with very low density lipoproteins (VLDL) of human plasma. It is specific for human APO-E. This antibody recognizes all alleles of APO-E. This antibody reacts as well with LDL as with VLDL.		
<b>Cross-Reactivity:</b>	No cross reactions with other human plasma proteins were detected.		
<b>Isotype:</b>	IgG1		
<b>Clone:</b>	3D12		
<b>Formulation:</b>	Lyophilized from 1 ml of a purified Ig solution with approximately 0.5 mg/ml of antibody. (Sufficient for staining of 100 frozen sections.)		
<b>Purification:</b>	Ammonium Sulfate precipitation, DEAE-cellulose chromatography, gradient elution.		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Reconstitute with 1 ml sterile distilled water. <b>Do not vortex.</b> Add preservative if preferred.		
<b>Applications:</b>	ELISA, IHC, Depletion		
<b>Application Notes:</b>	ELISA: suggested 1:1000 IHC-F: suggested 1:100 IHC-P: possible use, the optimal dilution must be determined by the user. For depletion experiments the antibody should be used in a solid phase system.		
<b>Storage &amp; Stability:</b>	Store at 2-8°C.		

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