

**bsm-63078R****[ Primary Antibody ]**

## Aspartate Aminotransferase Recombinant Rabbit mAb

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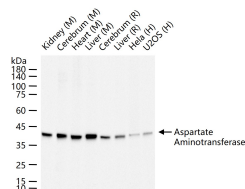
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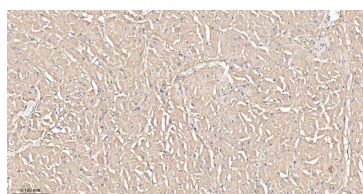
### DATASHEET

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Flow-Cyt</b> (1:50-100) <b>ICC/IF</b> (1:50-200)
<b>Clonality:</b> Recombinant	<b>CloneNo.:</b> 2F11	
<b>GeneID:</b> 2805	<b>SWISS:</b> P17174	
<b>Target:</b> Aspartate Aminotransferase		
<b>Immunogen:</b> A synthesized peptide derived from human GOT1: 150-230/413.		
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> Human, Mouse, Rat
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		<b>Predicted MW.:</b> 46 kDa
<b>Background:</b> Aspartate Aminotransferase [Glutamate oxaloacetate transaminase] is a ubiquitous pyridoxal phosphate-dependent enzyme which exists in both mitochondrial and cytosolic forms. The enzyme plays an important role in amino acid metabolism and in the urea and tricarboxylic acid cycles. The 2 isoenzymes are homodimeric. In liver about 80% of the enzyme activity is mitochondrial in origin, whereas in serum the enzyme activity is largely cytosolic. Although the mitochondrial and soluble forms of GOT are coded by different chromosomes, the 2 show close homology in amino acid sequence and were presumably derived from a common ancestral gene.		<b>Subcellular Location:</b> Cytoplasm

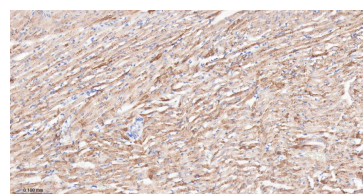
### VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with Aspartate Aminotransferase monoclonal antibody, unconjugated (bsm-63078R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Aspartate Aminotransferase Monoclonal Antibody, Unconjugated (bsm-63078R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Aspartate Aminotransferase Monoclonal Antibody, Unconjugated (bsm-63078R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.