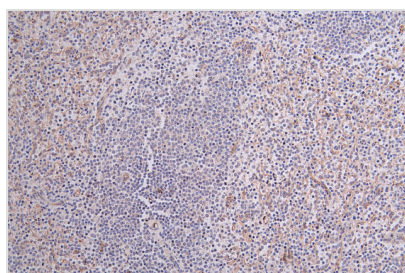




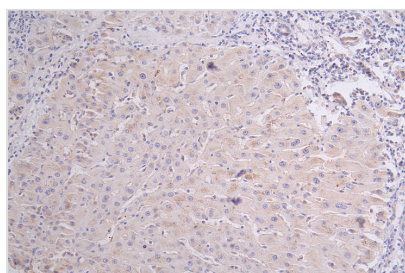
# CD36 Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA097934A0HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P16671
<b>Immunogen</b>	A synthesized peptide derived from Human CD36
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Cancer?Cardiovascular;Immunology?Metabolism?Microbiology;Stem cells
<b>Gene Names</b>	CD36
<b>Clone No.</b>	13B12

## Image



IHC image of CSB-RA097934A0HU diluted at 1:100 and staining in paraffin-embedded human spleen tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.25% DAB.



IHC image of CSB-RA097934A0HU diluted at 1:100 and staining in paraffin-embedded human liver cancer performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.25% DAB.



## Description

The CD36 recombinant monoclonal antibody is synthesized in vitro through a multi-step process. Initially, CD36 antibody genes are isolated from B cells derived from immunoreactive rabbits. These genes are then subjected to amplification and cloning into phage vectors, which are subsequently introduced into mammalian cell lines to facilitate the generation of functional antibodies in substantial quantities. The resulting CD36 recombinant monoclonal antibody is purified from the culture supernatant of the transfected cell lines through affinity chromatography and is well-suited for ELISA and IHC applications, enabling the specific detection of human CD36 protein.

CD36 is a multifunctional cell surface receptor that plays a central role in the recognition, uptake, and metabolism of lipids and fatty acids. Its functions extend to immune responses, inflammation, and taste perception, making it a crucial protein involved in various physiological and pathological processes.