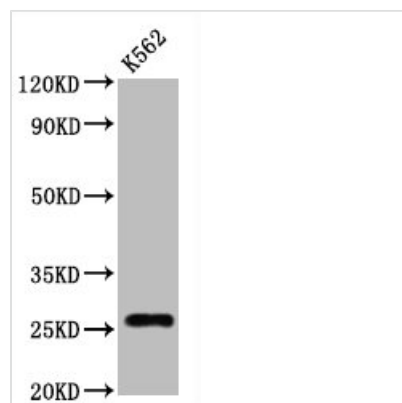




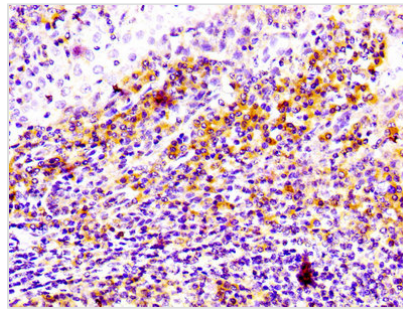
# CD81 Antibody

<b>Product Code</b>	CSB-RA004960A0HU
<b>Abbreviation</b>	CD81 antigen
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P60033
<b>Immunogen</b>	A synthesized peptide
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Tested Applications</b>	ELISA, WB, IHC, FC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:500
<b>Relevance</b>	May play an important role in the regulation of lymphoma cell growth. Interacts with a 16-kDa Leu-13 protein to form a complex possibly involved in signal transduction. May act as the viral receptor for HCV.
<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>Alias</b>	CD81 antigen, 26 kDa cell surface protein TAPA-1, Target of the antiproliferative antibody 1, Tetraspanin-28, Tspan-28, CD81
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Immunology
<b>Gene Names</b>	CD81
<b>Accession NO.</b>	9F7

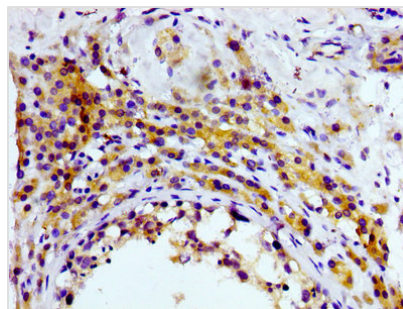
## Image



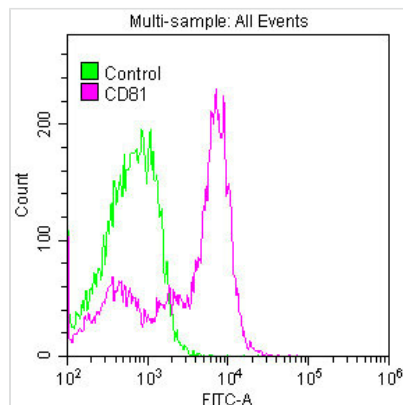
Western Blot  
 Positive WB detected in:K562 whole cell lysate  
 All lanes:CD81 antibody at 1.25µg/ml  
 Secondary  
 Goat polyclonal to rabbit IgG at 1/50000 dilution  
 Predicted band size: 26 KDa  
 Observed band size: 26 KDa



IHC image of CSB-RA004960A0HU diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ 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 biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC image of CSB-RA004960A0HU diluted at 1:100 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ 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 biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Overlay histogram showing Jurkat cells stained with CSB-RA004960A0HU (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then permeabilized with 0.3% Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4°C. The secondary antibody used was FITC goat anti-rabbit IgG (H+L) at 1/200 dilution for 1 h at 4°C. Control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.

## Description

CUSABIO got the DNA sequence of the CD81 monoclonal antibody that was produced from the splenocytes generated by the human CD81 synthesized peptide immunization. The DNA sequence was cloned into the plasmid and then transfected into cell lines for in vitro expression. The product is the CD81 recombinant monoclonal antibody. It is a rabbit IgG antibody purified using the affinity-chromatography method. This CD81 antibody has been validated in ELISA, WB, IHC, and FC applications and reacts with the CD81 protein from human, mouse, and rat sources.

CD81 is an immune system regulator that regulates immunological synapse development, adhesion, motility, receptor clustering, and signaling, among other biological functions. CD81 forms a compound with CD19 and CD21 in B cells, lowering the activation threshold for B cell receptors. CD81 has been discovered as a component of the B lymphocyte receptor as well as a hepatitis C virus-host entry factor.