

ABfinity™ CD151 Recombinant Rabbit Oligoclonal Antibody

Store at 2°C to 8°C (short-term), or -20°C (long-term)

Catalog Number 710453

Pub. No. MAN0007782 Rev. 1.00

Clonality: Oligoclonal	Quantity: 100 µg	Volume: 200 µL	Concentration: 0.5 mg/mL
Host/Class: Rabbit IgG	Reactivity: Human	Predicted Reactivity: Human CD151	

Product description

CD151 (cluster of differentiation 151) is a cell surface glycoprotein belonging to the tetraspanin superfamily. CD151 plays an important role in cell growth, development, morphology, and motility. It is also involved in signalling associated with integrin. The protein is expressed by endothelial cells, platelets, megakaryocytes, and monocytes.

Product specifications

Immunogen:	Peptide corresponding to amino acids 113–129 of human CD151
Alternate Names:	TSPAN24, PETA3, GP27
Apparent MW:	~28 kDa
Gene ID:	977
Protein Accession No.:	P48509
Sequence Identity:	Human
Isotype:	IgG
Lot:	See product label

Product applications

Application	Species	Test Material	Concentration
Western blotting	Human	Jurkat, HeLa cells	1–2 µg/mL
Indirect ELISA	Human	Peptide	1.5 × 10 ⁻⁴ to 3 µg/mL

Storage and handling

Store the antibody at 2°C to 8°C for up to 1 month, or -20°C for long storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

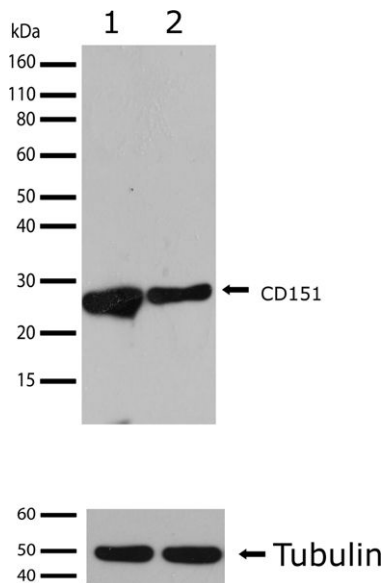


Figure 1 Western blot analysis of ABfinity™ CD151 Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710453).

Western blot analysis was performed on whole cell extracts from Jurkat and HeLa (lanes 1 and 2 respectively). Endogenous level of CD151 was detected at ~28 kDa using CD151 ABfinity™ Recombinant Rabbit Oligoclonal Antibody at a concentration of 1 µg/mL, followed by Goat Anti-Rabbit HRP (Cat. no. G21234) as a secondary antibody. Tubulin was used as a loading control and detected with an anti-tubulin antibody (Sigma Cat. no. T9026). The blot was developed using enhanced chemiluminescence (ECL) method.

Storage buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.



CAUTION! Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing and gloves. SDSs are available at www.lifetechnologies.com/support.

Product documentation

To obtain a Certificate of Analysis or Safety Data Sheet (SDS), visit <http://www.lifetechnologies.com/support>.

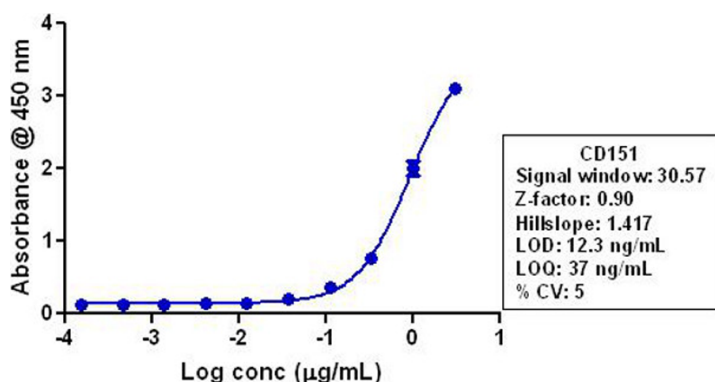


Figure 2 Indirect ELISA of ABfinity™ CD151 Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710453).

Indirect ELISA was performed to detect various dilutions of ABfinity™ CD151 Recombinant Rabbit Oligoclonal Antibody, followed by goat anti-rabbit HRP (Cat. no. G21234), to detect CD151 peptide coated onto the plate. A non-linear regression analysis was performed (4 PL), LOD, and LOQ for the antibody was determined.

Limited product warranty

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Explanation of Symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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