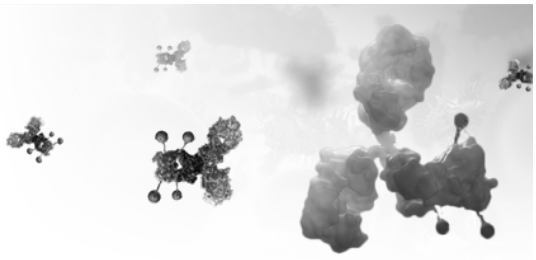

Rabbit Anti-Mouse SIGNR1 monoclonal antibody, clone S112 (CABT-ZB995)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Mouse SIGNR1
Target	CD209B
Immunogen	Recombinant Mouse SIGNR1/CD209b protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Clone	S112
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB655 - CABT-ZB995 This antibody will detect SIGNR1 in antibody pair set. [ABPR-ZB234]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse SIGNR1 / CD209b.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

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Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD209b, also known as SIGNR1, is a C-type lectin receptor. CD209b is present on most regions of mouse brain and found on microglia and dendritic cells but not on neurons or astrocytes. CD209b is implicated in the recently described SIGNR1 complement activation pathway, which operates against capsular polysaccharides in splenic marginal macrophages. CD209b in rat is homologue to SIGNR1 in mouse, both of which are found to mediate the uptake of dextran or CPS14 within the splenic marginal zone.
Keywords	CD209B; CD209b antigen; CD209 antigen-like protein B; CD209 antigen like protein B

GENE INFORMATION

Synonyms	CD209B; CD209b antigen; CD209 antigen-like protein B; CD209 antigen like protein B; CD209b antigen; DC SIGN related protein 1; DC SIGNR1; OtB7; DC-SIGNR1; DC-SIGN-related protein 1; OtB7; SIGNR1; mSIGNR1; 1810030I22Rik
Entrez Gene ID	69165
UniProt ID	Q8CJ91

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