

Rabbit anti-Mouse RP105/CD180 Polyclonal Antibody | anti-RP105/CD180 antibody

Anti-RP105/CD180 Antibody, Rabbit Polyclonal

CATALOG # AAA259130	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS ELISA, Immunohistochemistry
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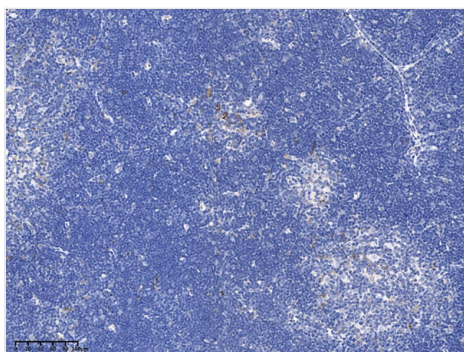
PRODUCT SYNONYMS

RP105/CD180; Polyclonal Antibody; Anti-RP105/CD180 Antibody; Rabbit Polyclonal; CD180 molecule; Anti-F630107B15 Antibody; Anti-Ly78 Antibody; Anti-RP105 Antibody; anti-RP105/CD180 antibody

PRODUCT SPECIFICATIONS

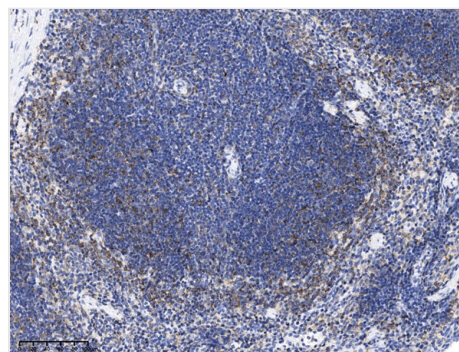
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse RP105/CD180
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-RP105/CD180 antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	Recombinant Mouse RP105/CD180 Protein
Preparation	Produced in rabbits immunized with purified, recombinant Mouse RP105/CD180 (rM RP105/CD180). RP105/CD180 specific IgG was purified by Mouse RP105/CD180 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of Mouse RP105 in Mouse thymus with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of Mouse RP105 in Mouse spleen with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-RP105/CD180 antibody	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. CD180, also known as RP105, is a B-cell surface molecule belonging to the family of pathogen receptors, Toll-like receptors (TLR). CD180 has an extracellular leucine-rich repeats and a short cytoplasmic tail. CD180/RP105 interacts with an extracellular molecule named MD1 and then together form the cell surface receptor complex RP105/MD1 which induces B-cell activation in humans and mice, leading to proliferation and up-regulation of a costimulatory molecule, B7.2/CD86. CD180/RP105 also has a role in LPS response because B cells lacking RP105 show hyporesponsiveness to LPS.
References	Zola H, et al. (2007) CD molecules 2006-human cell differentiation molecules. J Immunol Methods. 318 (1-2): 1-5. Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35. Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters.134 (2): 104-12. Nagai Y, et al. (2002) Requirement for MD-1 in cell surface expression of RP105/CD180 and B-cell responsiveness to lipopolysaccharide. Journal of the American society of hematology. 99(5): 1699-705.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rp105-cd180-antibody-immunohistochemistry-elisa/259130>