

AbboMax, Inc

Innovation at Work

Rabbit anti CD156b/ADAM17 Polyclonal Antibody

Alternate Names: ADAM17 (A disintegrin and metalloproteinase domain 17), CD156b antigen; TACE (TNF-alpha-converting enzyme), Snake venom-like protease.

Order Information

Description: Rabbit anti-CD156b (NT)
Catalogue#: 600-880
Lot#: See the label
Size: 100 ug/200 ul
Host: Rabbit
Clone: N/A
Application: ELISA, WB, IHC
Reactivity: Hu, Rt, Ms.

ANTIGEN PREPARATION

A synthetic peptide corresponding to the human CD156b at Pro- domain. This sequence is identical among human, mouse and/or rat origins.

BACKGROUND

CD156b is a type I transmembrane glycoprotein belong to the ADAM (a disintegrin and metalloprotease domain) family. This single-pass type-1 824 aa transmembrane glycoprotein contains a signal sequence, an extracellular domain (pro-domain, catalytic domain, disintegrin-cysteine-rich domain, glycosylation sites), transmembrane and cytoplasmic domain. CD156b is a multi-domain protein that includes a Zn-dependent protease domain in the extracellular portion. It releases the soluble forms of TNF and TGF α from cells. CD156b is identified by its ability to cleave the transmembrane form of TNF between Ala-76 and Val-77 to generate the soluble form. CD156b is therefore a prospective therapeutic target in human cancer. CD156b is expressed on T cells, neutrophils, endothelial cells, monocytes, dendritic cells, macrophages, polymorphonuclear leukocytes and myocytes. And non-lymphoid tissues including heart, placenta, brain, muscle.

PURIFICATION

The Rabbit IgG is purified by Site-specific Epitope Affinity Purification.

SPECIFICITY

This antibody recognizes ~100 kDa of human CD156b. It also reacts with mouse. The other species are not tested.

FORMULATION

This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

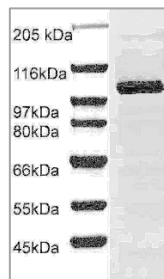
APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 $\mu\text{g/ml}$
ELISA	0.01-0.1 $\mu\text{g/ml}$
Immunoprecipitation	2-5 $\mu\text{g/ml}$
IHC	2-5 $\mu\text{g/ml}$
Flow cytometry	Not tested

MOLECULAR WEIGHT:	~100 kDa
POSITIVE CONTROL:	Jurkat Cells
CELLULAR LOCATION:	Membrane

Optimal dilutions should be determined by researchers for the specific applications.

DATA ATTACHMENTS



Western Blot: The cell lysate derived from Jurkat was immunoprobed by Rabbit anti-CD156b (NT) (Cat#600-880) at 1:500. An immunoreactive band is observed around ~100 kDa

REFERENCES

Goetz, P., et al. ADAM-17 regulates endothelial cell morphology, proliferation, and in vitro angiogenesis Biochem. Biophys. Res. Commun. 380 (1), 33-38 (2009).

FOR RESEARCH USE ONLY.

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