AbboMax, Inc

Innovation at Work

Order Information

Description:	Rabbit anti-CD156b (NT)
Catalogue#:	601-270
Lot#:	See the label
Size:	100 ug/200 ul
Host:	Rabbit
Clone:	N/A
Application:	ELISA, WB, IHC
Reactivity:	Hu, Rt, Ms,

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.

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 TGFa 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.

FORMULATION

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

SPECIFICITY

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

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.

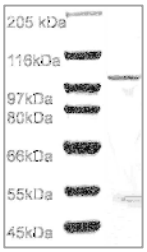
APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	2-5 µg/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#61-270) at 1:500. An immunoreactive band is observed around ~100 kDa

REFERENCES

Gooz,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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