OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA353099

CLEC1B Mouse Monoclonal Antibody [Clone ID: AYP1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AYP1
Applications:	FC, WB
Recommended Dilution:	FACS ; IF ; IP ; Functional
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A recombinant extracellular fragment of human CLEC-2 (aa 68-229), which is the extracellular domain of the protein
Formulation:	PBS with 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Purified by affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	26 kDa
Gene Name:	C-type lectin domain family 1 member B
Database Link:	NP_001092901 Entrez Gene 51266 Human Q9P126
Background:	Patients with rheumatoid arthritis, an inflammatory disease associated with increased microparticle production, have raised plasma levels of microparticles that expressed CLEC-2 but not GPVI. CLEC-2 can be used to monitor platelet-derived microparticles. The observation that microparticles derived from activated platelets retain CLEC-2 but lose GPVI highlights the potential use of measurement of surface expression of platelet receptors to screen for platelet activation in a wide variety of cardiovascular and inflammatory diseases.

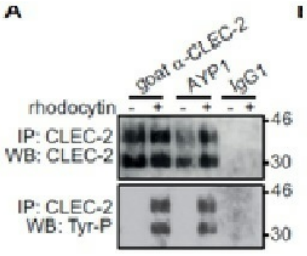
View online »

Synonyms: 1810061I13Rik; CLEC2; CLEC2B; PRO1384; QDED721

Note: AYP1 can block the interaction of human CLEC-2 with its endogenous ligand Podoplanin.

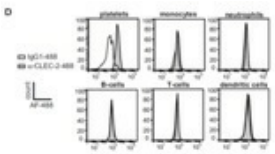
Protein Families: Druggable Genome, Transmembrane

Product images:



Washed platelets were incubated for 5 minutes at 37ºC under stirring conditions in the absence and presence of 100 nM rhodocytin, followed
by lysis and immunoprecipitation with 2 µg/mL of goat α-human CLEC-2 (previously characterized antibody), AYP1 or IgG1 coupled to protein-G sepharose

Western Blot analysis using anti-CLEC2 [AYP1]



Flow cytometric analysis of CLEC-2 on platelets and leukocytes. Platelets and leukocytes were isolated and incubated with saturating concentrations of either Alexa Fluor-488 (AF-488) conjugated α-CLEC-2 antibody AYP1 or isotypematched control for 30 minutes at room temperature (platelets) or on ice (leukocytes) and analysed immediately.

Flow cytometric analysisi of CLEC-2 on platelets and leukocytes using anti-CLEC2 [AYP1].