PRODUCT INFORMATION

Clone ID	DM155
Target	CD171
Synonyms	CAML1; CD171; HSAS; HSAS1; MASA; MIC5; N-CAM-L1; N-CAML1; NCAM-L1; S10; SPG1
Host Species	Rabbit
Description	Anti-CD171 antibody(DM155); Rabbit mAb
Delivery	In Stock
Uniprot ID	P32004
IgG type	Rabbit IgG
Clonality	Monoclonal
Reactivity	Human
Applications	ELISA; Flow Cyt
Recommended Dilutions	ELISA 1:5000-10000; Flow Cyt 1:100
Purification	Purified from cell culture supernatant by affinity chromatography
Endotoxin	Less than 1.0 EU/μg by the LAL method. For <1 EU/mg requirements, please contact us for customization.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	The protein encoded by this gene is an axonal glycoprotein belonging to the immunoglobulin supergene family. The ectodomain; consisting of several immunoglobulin-like domains and fibronectin-like repeats (type III); is linked via a single transmembrane sequence to a conserved cytoplasmic domain. This cell adhesion molecule plays an important role in nervous system development; including neuronal migration and differentiation. Mutations in the gene cause X-linked neurological syndromes known as CRASH (corpus callosum hypoplasia; retardation; aphasia; spastic paraplegia and hydrocephalus). Alternative splicing of this gene results in multiple transcript variants; some of which include an alternate exon that is considered to be specific to neurons.
Usage	Research use only
Conjugate	Unconjugated
DIMA Disclaimer	All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scr

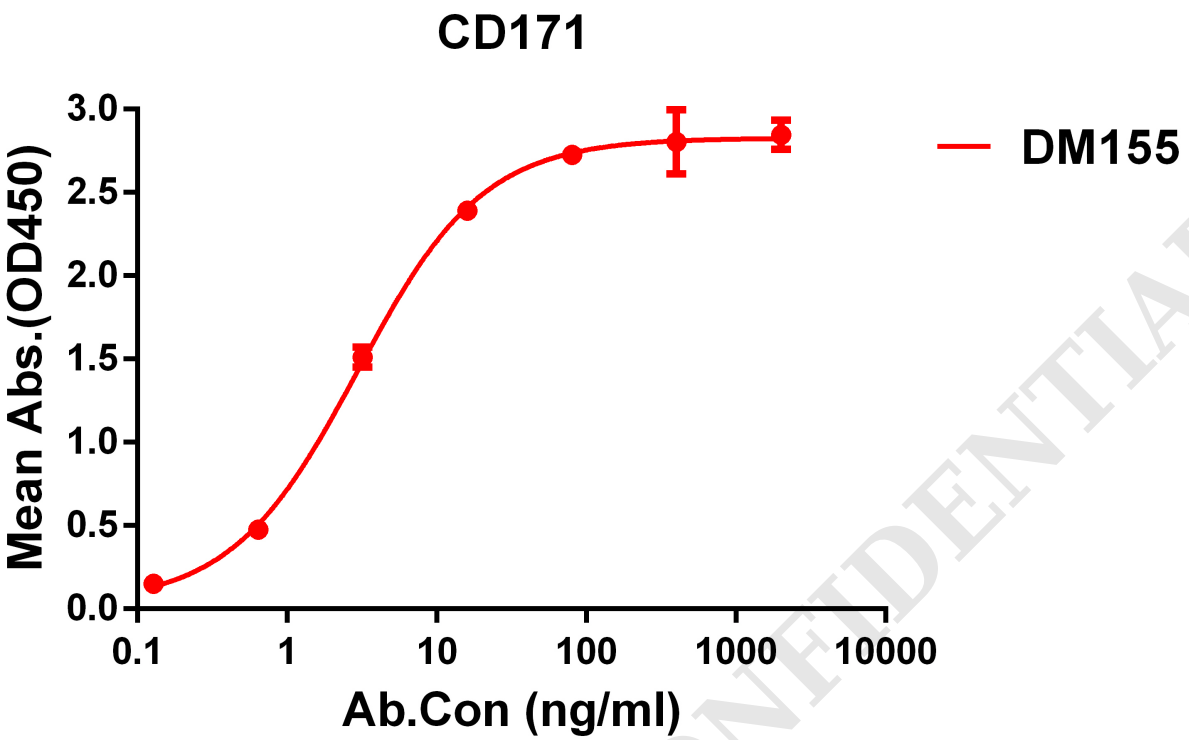

Figure 1. ELISA plate pre-coated by 1 μg/ml (100 μl/well) Human CD171 protein, His tagged protein PME100173 can bind Rabbit anti-CD171 monoclonal antibody (clone: DM155) in a linear range of 1-100 ng/ml.

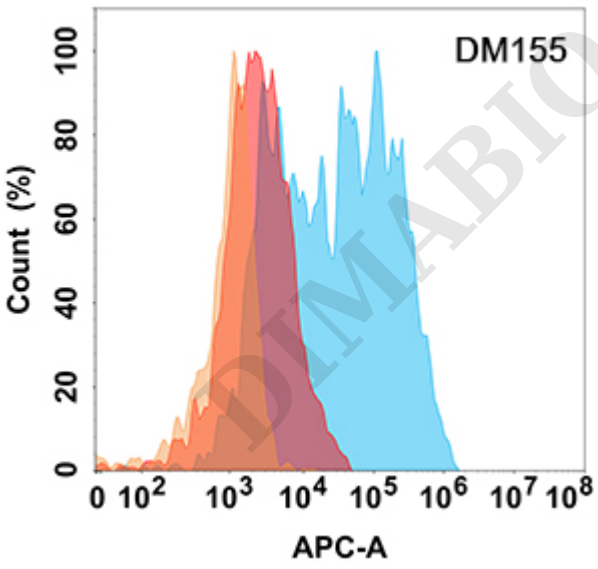

Figure 2. CD171 protein is highly expressed on the surface of HEK293 cell membrane. Flow cytometry analysis with Anti-CD171 (DM155) on HEK293 cells transfected with human CD171 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram), and Isotype antibody on HEK293 transfected with irrelevant protein (Orange histogram).

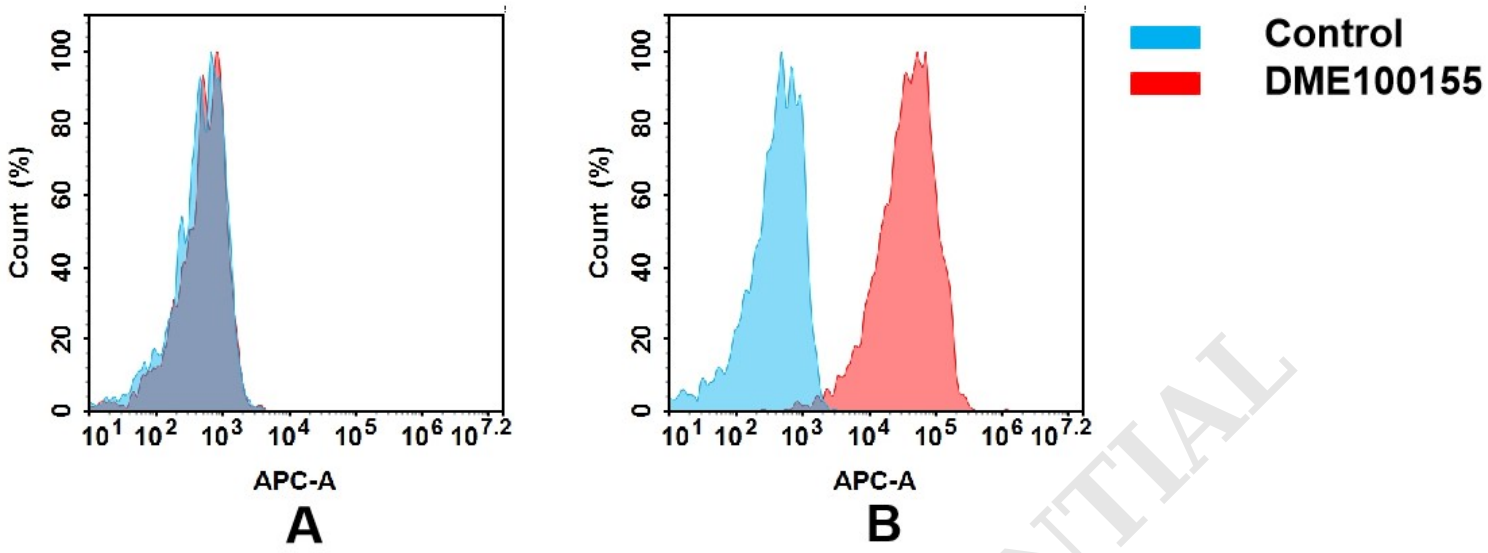

Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human CD171 mAb(DME100155).
(A) DME100155 does not bind to CHO-S cells that do not express CD171.
(B) A clear peak shift of DME100155 was seen compared to the control when incubated with CD171-expressing Hela cells, indicating strong binding of DME100155 to CD171. Antibodies were incubated at 5 μg/mL.