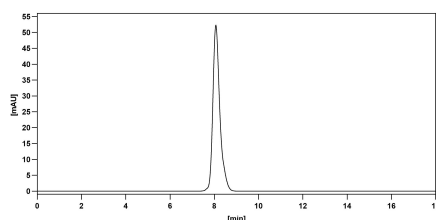


Product Information	
Catalog No.	BS10298
Product name	Anti-Human CD371/CLEC12A & CD3E Bispecific Reference Antibody (Tepoditamab, RUO)
Applications	ELISA, Bioactivity: FACS, Functional assay, Research in vivo
Species reactivity	Human
Host species	Human
Clonality	Monoclonal
Isotype	IgG1-kappa
Form	Liquid
Storage buffer	0.01M PBS, pH 7.4.
Concentration	1mg/ml
Purity	>95% purity as determined by SDS-PAGE.
Purification	Protein A/G purified from cell culture supernatant.
Target	CLEC12A, DCAL2, Dendritic cell-associated lectin 2, CLL-1, Myeloid inhibitory C-type lectin-like receptor, C-type lectin domain family 12 member A, CLL1, DCAL-2, C-type lectin-like molecule 1, MICL, CD371, T3E, T-cell surface antigen T3/Leu-4 epsilon chain, CD3e, CD3E, T-cell surface glycoprotein CD3 epsilon chain
Expression system	Mammalian Cells
Accession	Q5QGZ9 & P07766
Endotoxin level	Please contact the lab for this information.
Stability and Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Store at 4°C for short-term storage (1-2 weeks). Store at -20°C for up to 12 months. For long-term storage, store at -80°C.
Alternative Names	Bispecific, MCLA-117, PB9122, 2044679-53-8
Note	For research use only. Not suitable for clinical or therapeutic use.

Background

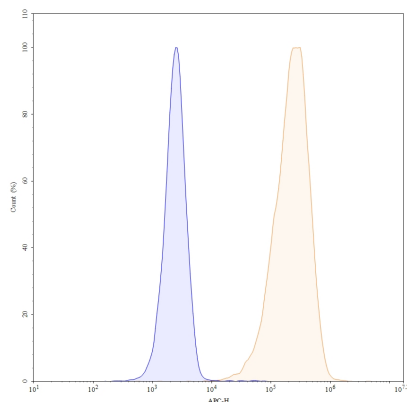
Tepoditamab (MCLA-117) is a bispecific monoclonal antibody that binds to CLEC12A of myeloid cells and CD3 of cytotoxic T cells. Among others, CLEC12A is a myeloid differentiation antigen. Tepoditamab (MCLA-117) kills AML leukaemia mother cells and AML leukaemia stem cells, induces T cell-mediated proliferative lysis of AML cells and can be used in acute myeloid leukaemia (AML) research.

Image Data



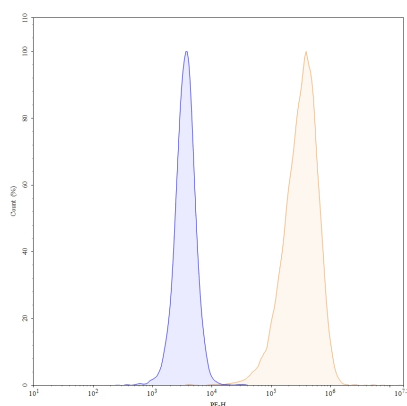
SEC-HPLC

SEC-HPLC detection for Research Grade Tepoditamab.



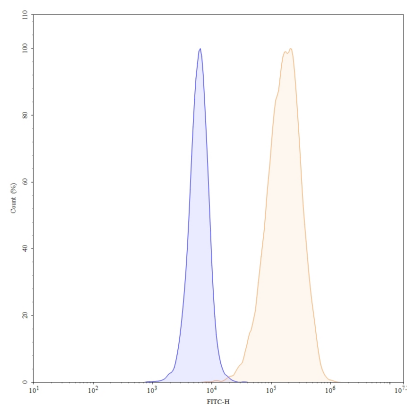
Flow cytometry

Flow-cytometry APC using anti-human CD371 antibody. Untransfected cells (blue Histogram) and Transfected cells (Yellow Histogram) were stained with an APC anti-human CD371 monoclonal antibody (Catalog HV493016) at a concentration of 5 µg/ml for 30 mins at RT. After washing, cells analysed on a NovoCyte Flow Cytometer.



Flow cytometry

Flow-cytometry PE using anti-human CD371 antibody. Untransfected cells (blue Histogram) and Transfected cells (Yellow Histogram) were stained with an PE anti-human CD371 monoclonal antibody (Catalog HV493016) at a concentration of 5 µg/ml for 30 mins at RT. After washing, cells analysed on a NovoCyte Flow Cytometer.



Flow cytometry

Flow-cytometry FITC using anti-human CD371 antibody. Untransfected cells (blue Histogram) and Transfected cells (Yellow Histogram) were stained with an FITC anti-human CD371 monoclonal antibody (Catalog HV493016) at a concentration of 5 µg/ml for 30 mins at RT. After washing, cells analysed on a NovoCyte Flow Cytometer.