

PRODUCT INFORMATION

Clone ID	151A5
Target	ROR1
Synonyms	ROR1;NTRKR1
Host Species	Rabbit
Description	Anti-ROR1 antibody(151A5), IgG1 Chimeric mAb
Delivery	In Stock
Uniprot ID	Q01973
IgG type	Rabbit/Human Fc chimeric IgG1
Clonality	Monoclonal
Reactivity	Human
Applications	WB
Recommended Dilutions	WB 1/1000
Purification	Purified from cell culture supernatant by affinity chromatography
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	This gene encodes a receptor tyrosine kinase-like orphan receptor that modulates neurite growth in the central nervous system. The encoded protein is a glycosylated type I membrane protein that belongs to the ROR subfamily of cell surface receptors. It is a pseudokinase that lacks catalytic activity and may interact with the non-canonical Wnt signalling pathway. This gene is highly expressed during early embryonic development but expressed at very low levels in adult tissues. Increased expression of this gene is associated with B-cell chronic lymphocytic leukaemia. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2012]
Usage	Research use only
Conjugate	Unconjugated



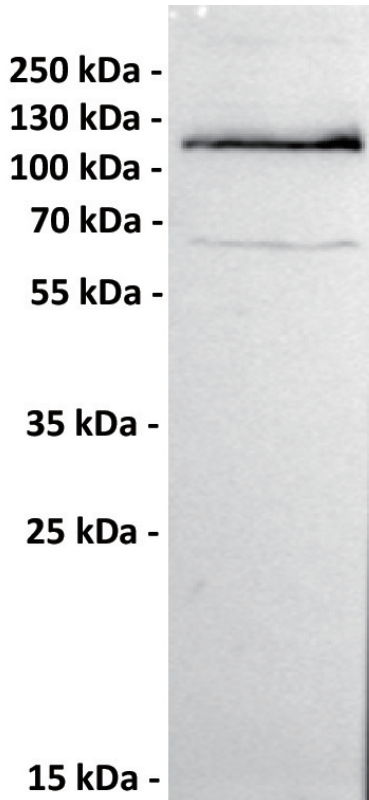


Figure 1. Anti-ROR1 antibody (SKU# DMC100228) at 1/1000 dilution

Lane : 293T-ROR1, whole cell lysate

Secondary : Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution

Predicted band size: 104 kDa

Observed band size: 110 kDa

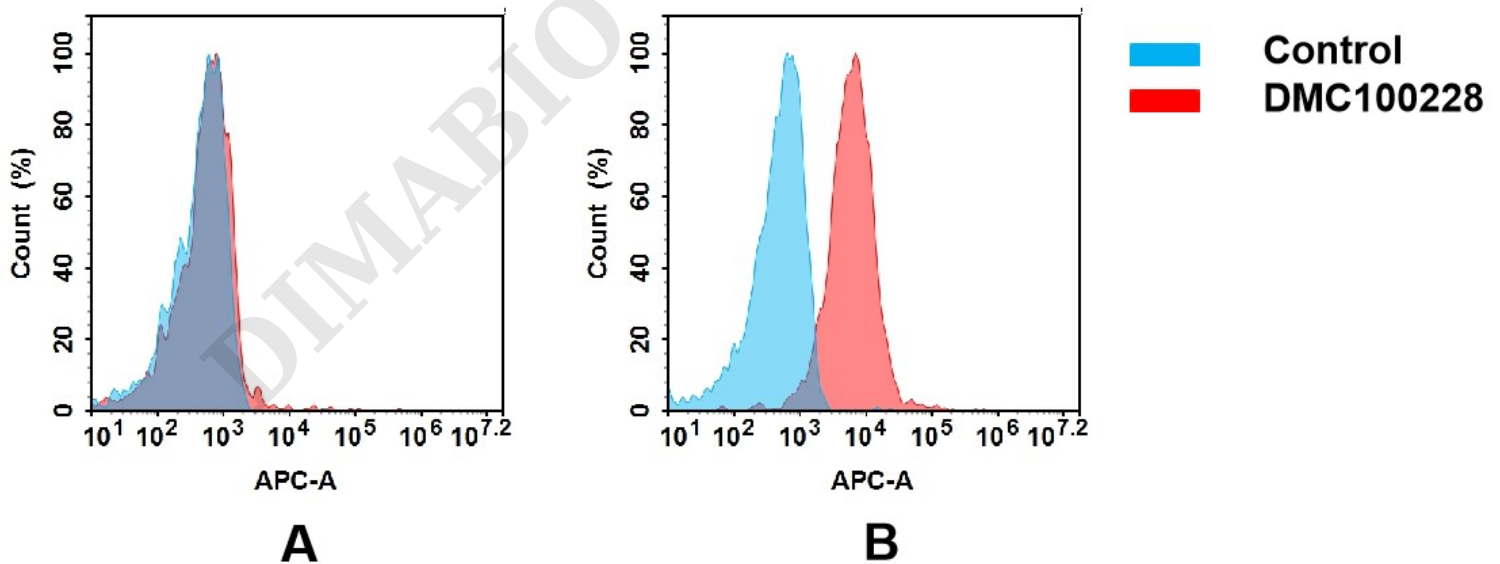


Figure 2. Flow cytometry analysis of antigen binding of anti-human ROR1 mAb(DMC100228).

(A) DMC100228 does not bind to CHO-S cells that do not express ROR1.

(B) A clear peak shift of DMC100228 was seen compared to the control when incubated with ROR1-expressing AGS cells, indicating strong binding of DMC100228 to ROR1. Antibodies were incubated at 5 µg/mL.

