

IMAB027

Cat. No.:	HY-P99413
CAS No.:	1650599-68-0
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	IMAB027 (ASP1650) is a specific anti-CLDN6 mAb, while CLDN6 (Claudin 6) is a tight junction membrane protein, aberrantly expressed in various human cancer types, ovarian cancers particularly. IMAB 027 shows anti-tumor activity, and induces apoptosis in CLDN6 ⁺ ovarian and testicular cancer cell lines ^[1] .
IC₅₀ & Target	CLDN6 ^[1]
In Vitro	IMAB027 specifically binds to CLDN6 rather than other closely related family members, such as Claudins 3, 4, and 9 ^[1] . IMAB027 induces target-selective antibody-dependent cell-mediated cytotoxicity (ADCC) and complement dependent cytotoxicity (CDC) in CLDN6 ⁺ ovarian and testicular cancer cell lines ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	IMAB027 reduces tumor growth and increases overall survival in xenografted mouse tumors with human CLDN6 ⁺ cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Türeci Ö, t al. The anti-claudin 6 antibody, IMAB027, induces antibody-dependent cellular and complement-dependent cytotoxicity in claudin 6-expressing cancer cells[J]. Cancer Research, 2018, 78(13_Supplement): 882-882.

Caution: Product has not been fully validated for medical applications. For research use only.

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