MedChemExpress

## Vorsetuzumab

| Cat. No.: | HY-P99273 |
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| CAS No.: | $1165740-62-4$ |
| Target: | Others |
| Pathway: | Others |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |

## BIOLOGICAL ACTIVITY

| Description | Vorsetuzumab (Anti-Human CD70 Recombinant Antibody) is a human anti-CD70 antibody. Vorsetuzumab enhances macrophage-related phagocytosis of renal carcinoma cells, shows inhibitory efficacy against Burkitt's lymphoma ${ }^{[1]}$. |  |
| :---: | :---: | :---: |
| $1 C_{50}$ \& Target | CD70 ${ }^{[1]}$ |  |
| In Vitro | Vorsetuzumab ( $10 \mu \mathrm{~g} / \mathrm{mL} ; 2 \mathrm{~h}$ ) augments macrophage-dependent phagocytosis of renal carcinoma cells in vitro ${ }^{[1]}$. Vorsetuzumab ( $10 \mu \mathrm{~g} / \mathrm{mL} ; 2 \mathrm{~h}$ ) can be developed into bispecific anti-human CD70/KWAR23 antibody, results KWAR23 moderately induced macrophage phagocytosis of four renal carcinoma cell lines (RCC4, RCC10, TK10, and Caki-1) ${ }^{[1]}$. MCE has not independently confirmed the accuracy of these methods. They are for reference only. |  |
| In Vivo | Vorsetuzumab ( $10 \mathrm{mg} / \mathrm{kg}$; i.p.; every other day; for 12 d ) inhibits Burkitt's lymphoma cell growth growth in SRG mice ${ }^{[1]}$ MCE has not independently confirmed the accuracy of these methods. They are for reference only. |  |
|  | Animal Model: | Burkitt's lymphoma xenograft model in SRG mice ${ }^{[1]}$ |
|  | Dosage: | $10 \mathrm{mg} / \mathrm{kg}$ |
|  | Administration: | Intraperitoneal injection; every other day; for 12 d |
|  | Result: | Effectively inhibited Burkitt's lymphoma cell growth but was not outperform the combination of the KWAR23 antibody ( $10 \mathrm{mg} / \mathrm{kg}$ ). |

## REFERENCES

[1]. Ring NG, et al. Anti-SIRPa antibody immunotherapy enhances neutrophil and macrophage antitumor activity. Proc Natl Acad Sci U S A. 2017 Dec 5;114(49):E10578E10585.

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

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