

# Anti-CD81 [1s112]

**Catalogue number:** 154240

**Sub-type:**

**Images:**

## Contributor

**Inventor:**

**Institute:** University of Birmingham

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-CD81 [1s112]

**Alternate name:** 26 kDa cell surface protein TAPA-1, Target of the antiproliferative antibody 1, Tetraspanin-28

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** CD81 is co-opted during the life cycle of diverse human pathogens: it is involved in hepatitis C virus (HCV) and Plasmodium sporozoite invasion of hepatocytes, and also contributes to the assembly and budding of human immunodeficiency virus and influenza A virus. Developed as a part of panel of murine monoclonal antibodies against full-length CD81 to further examine and assessed their ability to inhibit or neutralize HCV infection.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** P60033, CD81\_HUMAN

**Immunogen UNIPROT ID:** P60033, CD81\_HUMAN

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** CD81 and its second extracellular domain (EC2)

**Target alternate names:**

**Target background:** CD81 is co-opted during the life cycle of diverse human pathogens: it is involved in hepatitis C virus (HCV) and Plasmodium sporozoite invasion of hepatocytes, and also contributes to the assembly and budding of human immunodeficiency virus and influenza A virus. Developed as a part of panel of murine monoclonal antibodies against full-length CD81 to further examine and assessed their ability to inhibit or neutralize HCV infection.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** WB ; ELISA ; FACS ; IF

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 0.9-1.1mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Tkachuk et al. 1975. FEBS Lett. 52(1):66-8. PMID: 1123084.

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