

# Anti-SGT [6A4]

**Catalogue number:** 152653

**Sub-type:**

**Images:**

## Contributor

**Inventor:**

**Institute:** A\*STAR Accelerate Technologies Pte Ltd

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-SGT [6A4]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** The small glutamine-rich tetratricopeptide repeat (SGT) containing protein, also known as viral protein U (Vpu)-binding protein, was identified as a host protein that interacted with the non-structural (NS) protein of parvovirus. A subsequent study showed that SGT interacts with human immunodeficiency virus-1 (HIV-1) Vpu and Gag proteins, suggesting that SGT may play a role in HIV-1 virus assembly or release. Recently, it has been shown to interact with the SARS-CoV 7a protein but the biological significance of the interaction between 7a and SGT remains to be elucidated.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Virus

**Selectivity:**

**Host:** Mouse

**Immunogen:** GST-SGT fusion protein

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Small glutamine-rich TPR-repeat containing protein

**Target alternate names:**

**Target background:** The small glutamine-rich tetratricopeptide repeat (SGT) containing protein, also known as viral protein U (Vpu)-binding protein, was identified as a host protein that interacted with the non-structural (NS) protein of parvovirus. A subsequent study showed that SGT interacts with human immunodeficiency virus-1 (HIV-1) Vpu and Gag proteins, suggesting that SGT may play a role in HIV-1 virus assembly or release. Recently, it has been shown to interact with the SARS-CoV 7a protein but the biological significance of the interaction between 7a and SGT remains to be elucidated.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** IF ; WB

**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:** Ng et al. 2014. PLoS One. 9(7):e102415. PMID: 25019613. ; Substitution at aspartic acid 1128 in the SARS coronavirus spike glycoprotein mediates escape from a S2 domain-targeting neutralizing monoclonal antibody. ; Lip et al. 2006. J Virol. 80(2):941-50. PMID: 16378996. ; Monoclonal antibodies targeting the HR2 domain and the region immediately upstream of the HR2 of the S protein neutralize in vitro infection of severe acute respiratory syndrome coronavirus.

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