

Rabbit Anti-HIV gp41 antibody

SL0239R

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| Product Name | HIV gp41 |
| Chinese Name | 艾滋病病毒抗体 |
| Alias | HIV1 gp41; HIV-1 gp41; HIV1gp41; HIVgp41; Transmembrane protein gp41; Glycoprotein 41; Human Immunodeficiency Virus 1; HIV1 ENV (gp160); HIV1 gp160; HIV1gp160; HIV-1 gp160; env; Env polyprotein; Envelope glycoprotein gp160; Glycoprotein 41; gp41; HIV1; HIV1 clade a; HIV1/Clade A; SU; Surface protein; Human Immunodeficiency Virus Type 1 TM; Transmembrane protein; ENV_HV1MV. |
| Research Area | Bacteria and viruses |
| Immunogen Species | Rabbit |
| Clonality | Polyclonal |
| React Species | (predicted:HIV) ELISA=1:5000-10000 |
| Applications | not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Theoretical molecular weight | 39/93kDa |
| Cellular localization | The cell membrane |
| Form | Liquid |
| Concentration | 1mg/ml |
| immunogen | KLH conjugated synthetic peptide derived from Transmembrane protein gp41: 1-80/120 |
| Lsotype | IgG |
| Purification | affinity purified by Protein A |
| Buffer Solution | (predicted:HIV)1M TBS(pH7.4) with 1% BSA, (predicted:HIV)3% Proclin300 and 50% Glycerol. |
| Storage | Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| Attention | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

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gp41/120 is the major HIV protein associated with the HIV envelope. It functions as the viral antireceptor or attachment protein. gp41 (or TM) traverses the envelope, whereas gp120 is present on the outer surface and is noncovalently attached to gp41. The precursor of gp120/41 (gp160) is synthesized in the endoplasmic reticulum and is transported via the golgi body to the cell surface. Upon activation of the envelope glycoprotein (gp120/41) by cellular receptors, gp41 undergoes conformational changes that mediate fusion of the viral and cellular membranes.

SWISS:

Q79670

Gene ID:

N/A

Product Detail

Database links:

[SwissProt: Q79670](#) Human immunodeficiency virus

人类免疫缺陷病毒I型(HIV-1)的包膜 glycoproteingp120、gp41 HIV 感染后可刺激机体生产囊膜蛋白 (Gp120,Gp41) 抗体 病毒呈球形, 直径 100~120nm, 电镜下可见一致密的圆锥状核心, 内含病毒 RNA 分子和酶 (逆转录酶、整合酶、蛋白酶), 病毒外层囊膜系 双层脂质蛋白膜, 其中嵌有 gp120 和 gp41, 分别组成刺突和 Transmembrane protein。