



Rabbit Anti-CD90/Thy-1 antibody

SL0778R

Product Name CD90/Thy-1**Chinese Name** CD90 抗体**Alias** CD90 / Thy1; CD7; CD90 antigen; CDw90; FLJ33325; MGC128895; T25; Theta antigen; Thy-1; Thy 1; Thy 1 cell surface antigen; Thy-1 membrane glycoprotein; Thy 1 membrane glycoprotein precursor; Thy 1.2; Thy-1 T-cell antigen; Thy1 antigen; Thy1 T cell antigen; Thy1.1; Thy1.2; Thymus cell antigen 1, theta; THY1_RAT; THY1_HUMAN.**Research Area** Cell biology immunology Neurobiology**Immunogen Species** Rabbit**Clonality** Polyclonal**React Species** Human,Mouse,Rat(predicted:Sheep,Rabbit,Horse,Pig,Dog)**Applications** WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1µg/Test
(Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.**Theoretical molecular weight** 12kDa**Detection molecular weight** 25-35kDa**Cellular localization** The cell membrane**Form** Liquid**Concentration** 1mg/ml**immunogen** KLH conjugated synthetic peptide derived from rat Thy-1: 31-120/161 <Extracellular>**Lsotype** IgG**Purification** affinity purified by Protein A**Buffer Solution** Human,Mouse,Rat(predicted:Sheep,Rabbit,Horse,Pig,Dog)1M TBS(pH7.4) with 1% BSA, Human,Mouse,Rat(predicted:Sheep,Rabbit,Horse,Pig,Dog)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.
PubMed	PubMed This gene encodes a cell surface glycoprotein and member of the immunoglobulin superfamily of proteins. The encoded protein is involved in cell adhesion and cell communication in numerous cell types, but particularly in cells of the immune and nervous systems. The encoded protein is widely used as a marker for hematopoietic stem cells. This gene may function as a tumor suppressor in nasopharyngeal carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]
Product Detail	Function: May play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain.
	Subcellular Location: Cell membrane; Lipid-anchor, GPI-anchor.
	Tissue Specificity: Abundant in lymphoid tissues.
	Post-translational modifications: Glycosylation is tissue specific. Sialylation of N-glycans at Asn-93 in brain and at Asn-42, Asn-93 and Asn-117 in thymus.
	Similarity: Contains 1 Ig-like V-type (immunoglobulin-like) domain.
	SWISS: P01830
	Gene ID: 24832
Database links: Entrez Gene: 7070 Human Entrez Gene: 21838 Mouse Entrez Gene: 24832 Rat Omim: 188230 Human SwissProt: P04216 Human	

[SwissProt: P01831](#) Mouse

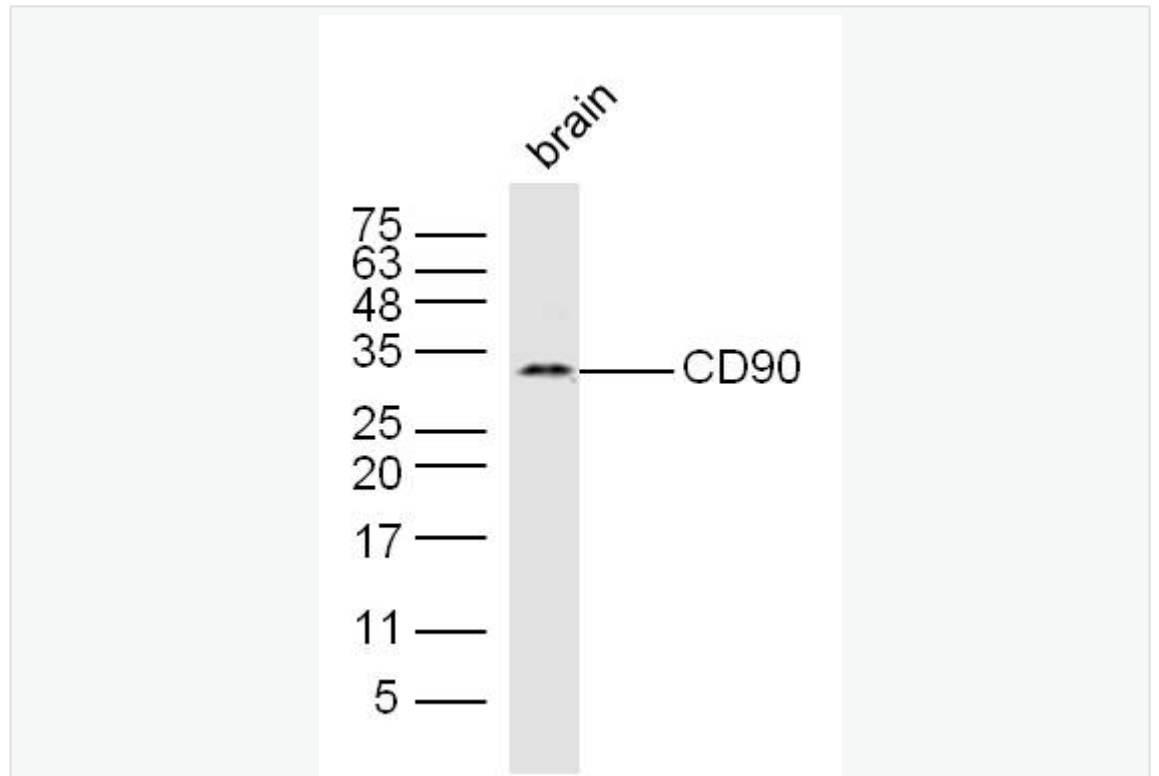
[SwissProt: P01830](#) Rat

[Unigene: 644697](#) Human

[Unigene: 3951](#) Mouse

[Unigene: 108198](#) Rat

**Product
Picture**



Sample:

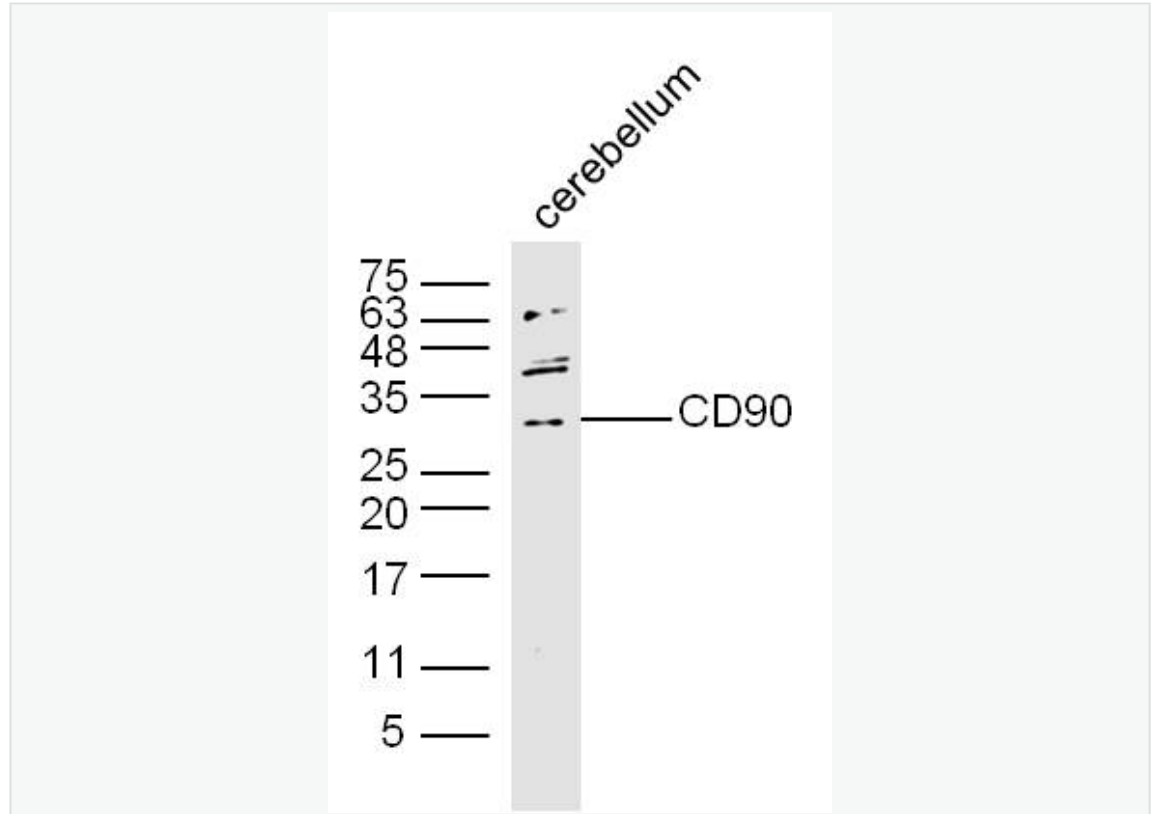
Brain (Mouse) Lysate at 40 ug

Primary: Anti-CD90 (SL0778R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 12 kD

Observed band size: 32 kD



Sample:

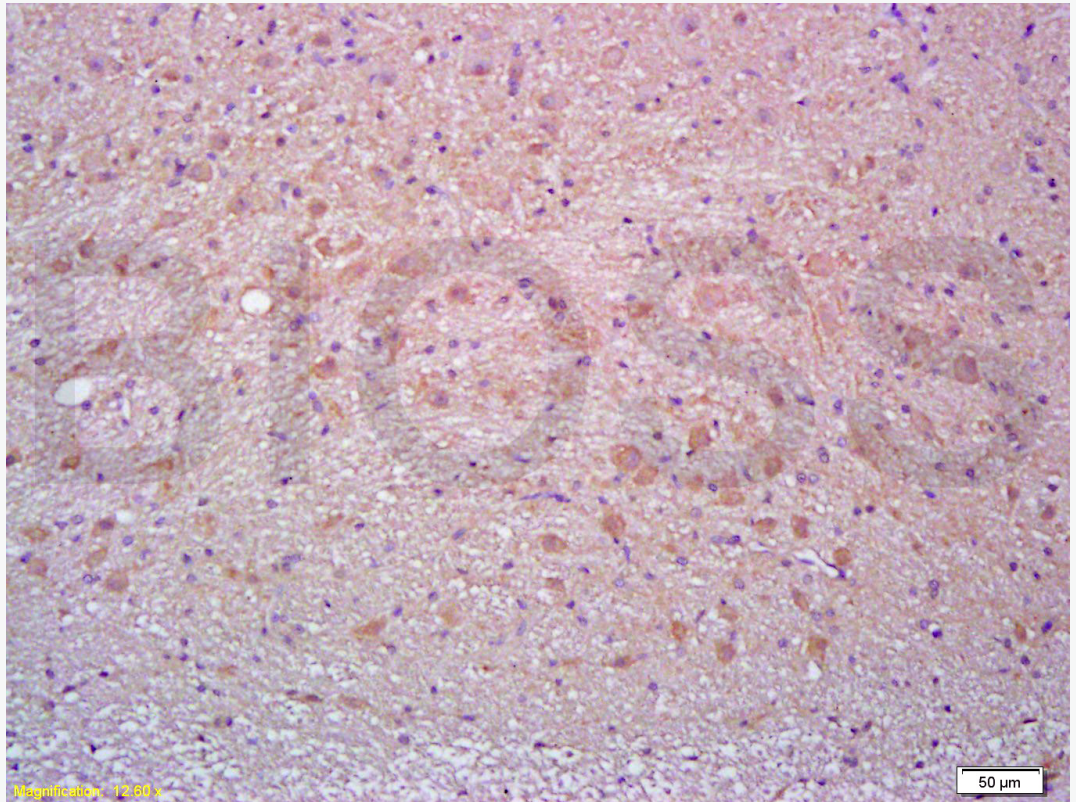
Brain (Mouse) Lysate at 40 ug

Primary: Anti-CD90 (SL0778R) at 1/300 dilution

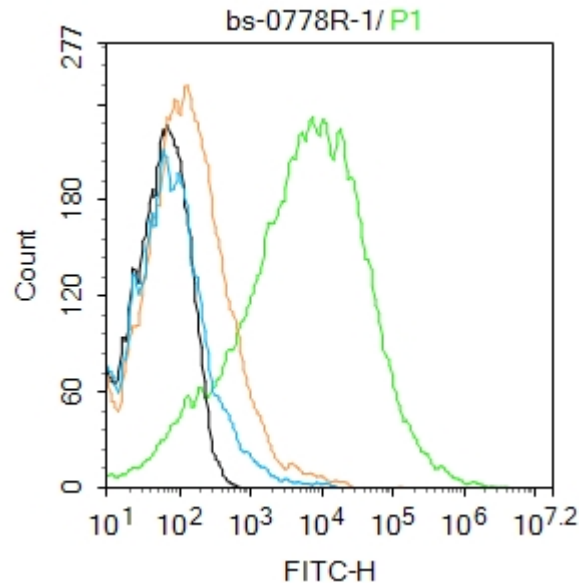
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 12 kD

Observed band size: 32 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer
(Human,Mouse,Rat(predicted:Sheep,Rabbit,Horse,Pig,Dog)1M, pH 6.0), Boiling
bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for
30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-Thy-1/CD90/ Thy1.1 Polyclonal Antibody,
Unconjugated(SL0778R) 1:200, overnight at 4°C, followed by conjugation to the
secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control:Mouse brain.

Primary Antibody (green line): Rabbit Anti-CD90 antibody (SL0778R)

Dilution: 1 μ g /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

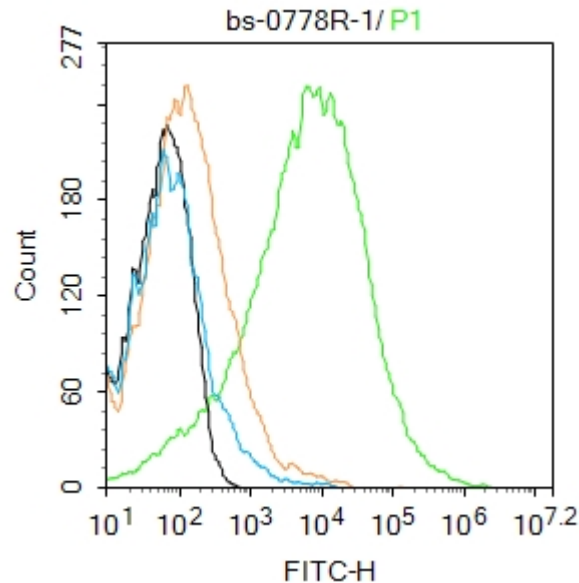
Secondary Antibody : Goat anti-rabbit IgG-AF488

Dilution: 1 μ g /test.

Protocol

The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

Acquisition of 20,000 events was performed.



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Primary Antibody (green line): Rabbit Anti-CD90 antibody (SL0778R)

Dilution: 1 μ g /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

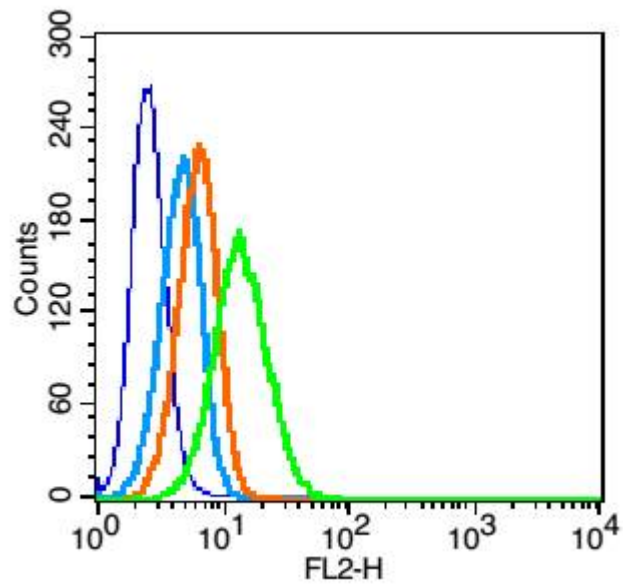
Secondary Antibody : Goat anti-rabbit IgG-AF488

Dilution: 1 μ g /test.

Protocol

The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

Acquisition of 20,000 events was performed.



Blank control: U937(blue).

Primary Antibody: Rabbit Anti-CD90 antibody(SL0778R), Dilution: 1 μ g in 100 μ L
1X PBS containing 0.5% BSA;

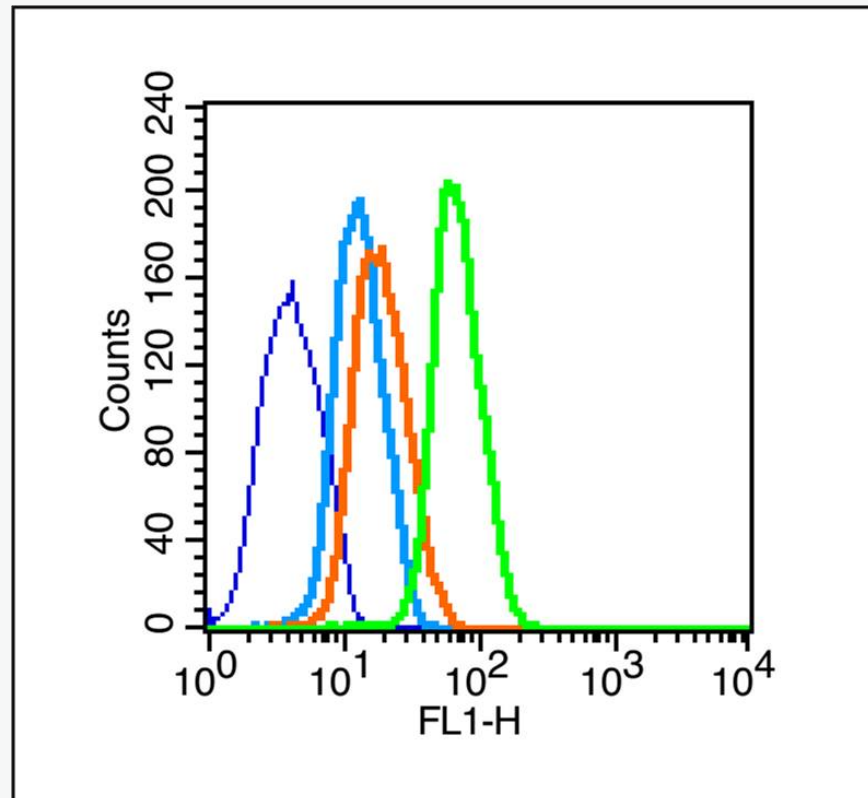
Isotype Control Antibody: Rabbit IgG (orange) ,used under the same conditions.

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS
containing 0.5% BSA.

Protocol

The cells were fixed with 2% paraformaldehyde (10 min).Primary antibody (SL0778R, 1 μ g /1x10⁶ cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 10% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200

dilution for 30 min on ice. Acquisition of 20,000 events was performed.



Blank control (blue line): U251 (blue).

Primary Antibody (green line): Rabbit Anti- CD90 antibody (SL0778R)

Dilution: 1 μ g /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

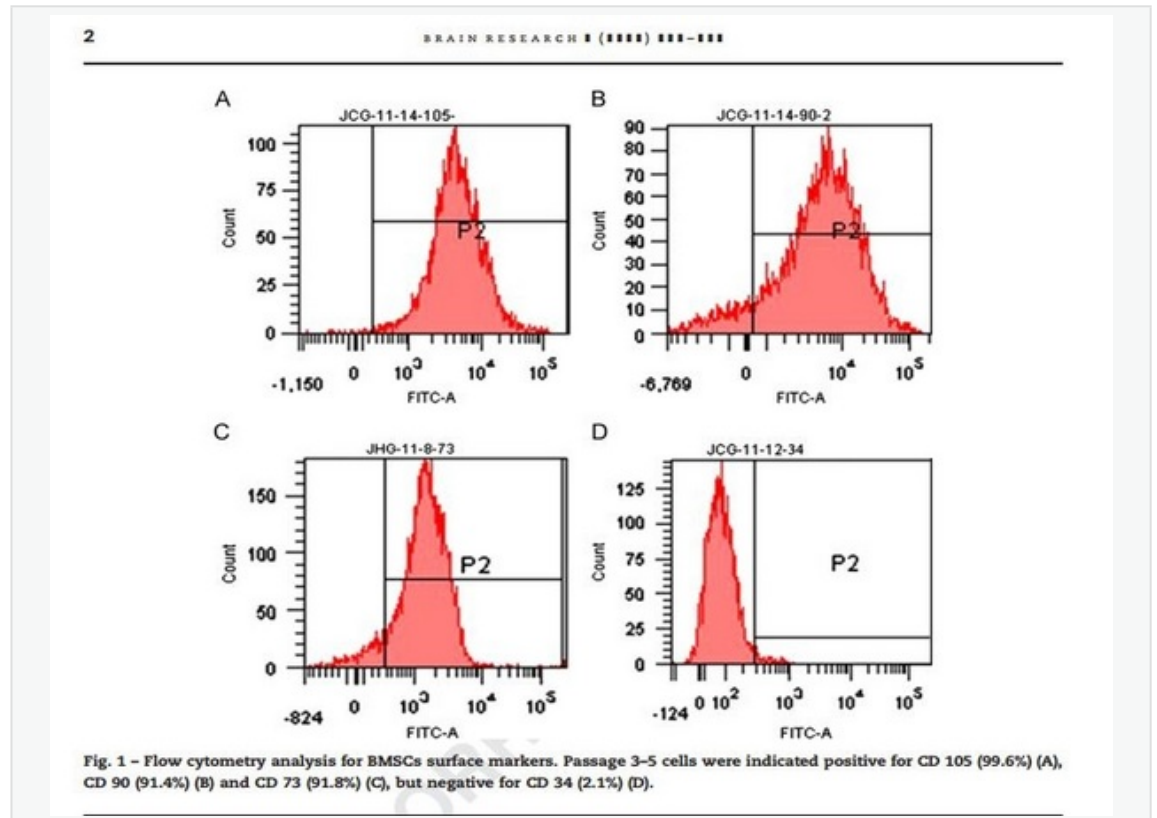
Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC

Dilution: 1 μ g /test.

Protocol

The cells were fixed with 70% ice-cold methanol overnight at 4°C. Cells stained with

Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.





SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

