SunLong Biotech Co.,LTD
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www.sunlongbiotech.com

[Primary Antibody]

Recombinant Rabbit Anti-MHC I Monoclonal Antibody

Catalog Number: SLA2285M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	7F10
GeneID:	3134
SWISS:	P30511
Target:	MHC I
Immunogen:	A synthesized peptide derived from human HLA F
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:1000-2000) IHC-P (1:200-2000) IHC-F (1:200-2000) IF (1:200-2000) Flow-Cyt (1:100-200) ICC/IF (1:100-500) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	39 kDa
Subcellular Location:	Membrane
Background:	Involved in the presentation of foreign antigens to the immune system.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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[VALIDATION IMAGES]

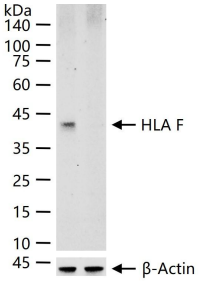


Figure 1. 293T (H) cells were treated with or without PMA (50 ng/mL) for 48 h, IFN-γ (50 U/mL) for 24 h, 25 µg total protein per lane of cell lysates (see on figure) probed with HLA F monoclonal antibody, unconjugated (SLA2285M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min

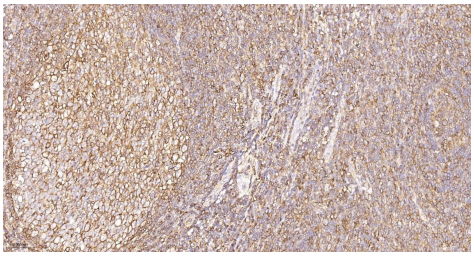


Figure 2. Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with HLA F Monoclonal Antibody, Unconjugated (SLA2285M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

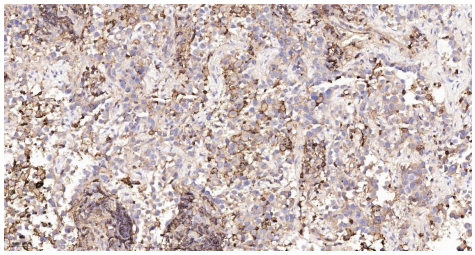


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with HLA F Monoclonal Antibody, Unconjugated (SLA2285M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

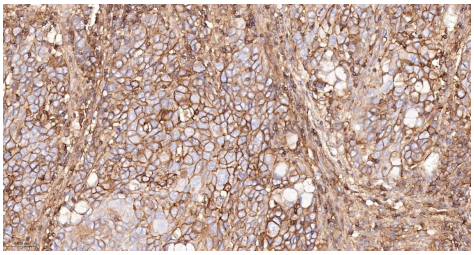


Figure 4. Paraformaldehyde-fixed, paraffin embedded Human Cervical Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with HLA F Monoclonal Antibody, Unconjugated (SLA2285M) at 1:1500 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

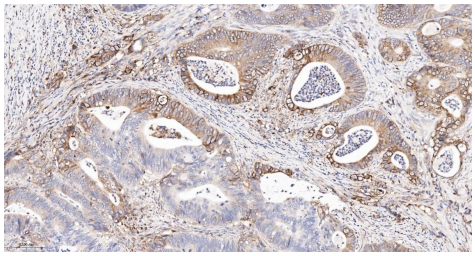


Figure 5. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with HLA F Monoclonal Antibody, Unconjugated (SLA2285M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

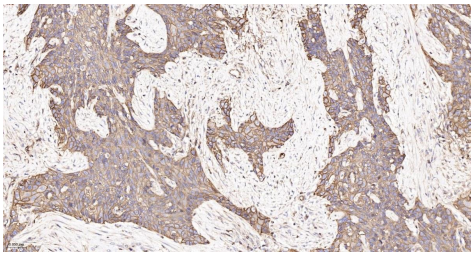


Figure 6. Paraformaldehyde-fixed, paraffin embedded Human Esophageal Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with HLA F Monoclonal Antibody, Unconjugated (SLA2285M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

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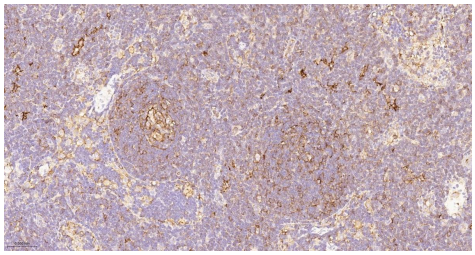


Figure 7. Paraformaldehyde-fixed, paraffin embedded Human Lymph; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with HLA F Monoclonal Antibody, Unconjugated (SLA2285M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

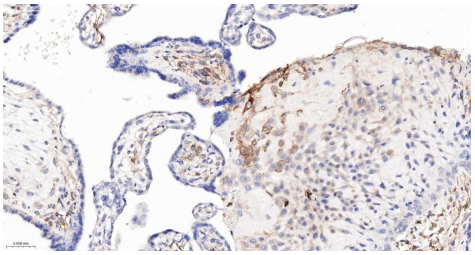


Figure 8. Paraformaldehyde-fixed, paraffin embedded Human Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with HLA F Monoclonal Antibody, Unconjugated (SLA2285M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

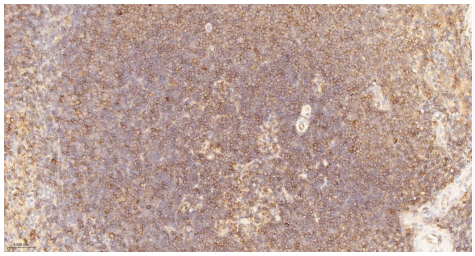


Figure 9. Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MHC I | HLA-F Monoclonal Antibody, Unconjugated (SLA2285M) at 1:1500 overnight at 4°C, followed by incubation with SL0295G-HRP and DAB (C-0010) staining

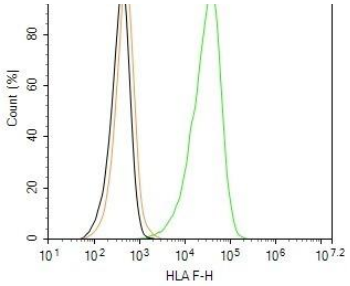


Figure 10. The Raji (H) cells were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-HLA F antibody (SLA2285M,1:100); Isotype Control (orange): Rabbit IgG (SL0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed

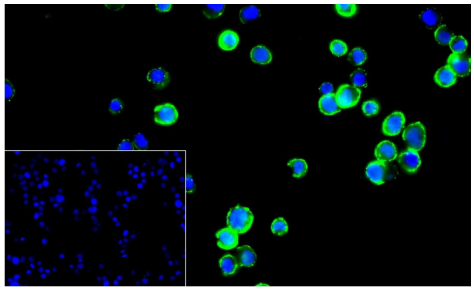


Figure 11. 4% Paraformaldehyde-fixed Raji (H) cell; Antibody incubation with (HLA F) monoclonal Antibody, unconjugated (SLA2285M) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, SL60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control

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