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# Anti-αvβ6 hIgG1 Antibody(m15H3)

## Product information

| | |
|---|---|
| GM-53193AB-10 | 10 μg |
| GM-53193AB-100 | 100 μg |
| GM-53193AB-1000 | 1 mg |

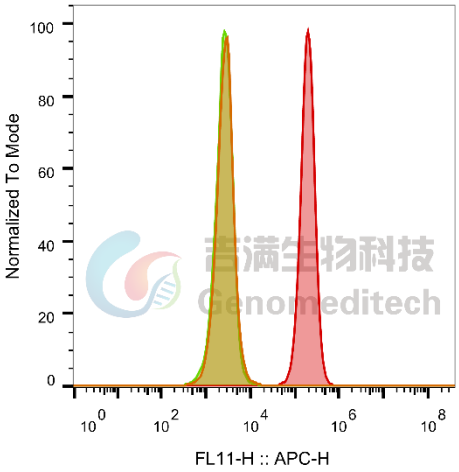
## Antibody Information

| | |
|---|---|
| Species Reactivity | Human; Cynomolgus |
| Clone | m15H3 |
| Source/Isotype | Monoclonal Human IgG1 /κ |
| Application | Flow Cytometry |
| Specificity | Detects αvβ6 |
| Gene | αVβ6 |
| Other Names | αVβ6; avb6; CD51/β6; ITGAV/ITGB6; Integrin alpha v beta 6 |
| Gene ID | ITGAV: 3685(human)、ITGAV: A0A2K5WCD3 (Cynomolgus)<br>TIGB6: 3694 (human)、TIGB6: A0A2K5TZ36 (Cynomolgus) |
| Background | Integrins are heterodimeric transmembrane receptors comprising alpha and beta subunits that function as cell anchoring and signaling molecules. ITGAV encodes integrin alpha chain V. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. Alpha V undergoes post-translational cleavage to yield disulfide-linked heavy and light chains, that combine with multiple integrin beta chains to form different integrins. Integrin beta-6 is a protein that in humans is encoded by the ITGB6 gene. It is the β6 subunit of the integrin αvβ6. Integrins are αβ heterodimeric glycoproteins which span the cell's membrane, integrating the outside and inside of the cell. Integrins bind to specific extracellular proteins in the extracellular matrix or on other cells and subsequently transduce signals intracellularly to affect cell behaviour. |
| Storage | Store at 2-8°C short term (1-2 weeks). Store at ≤ -20°C long term.Avoid repeated freeze-thaw. |
| Formulation | Phosphate-buffered solution, pH 7.2. |
| Endotoxin | < 1 EU/mg, determined by LAL gel clotting assay |

## Data Examples

Flow cytometry

The recommended usage range is 0.5-4 μg per test. H_ITGB6 CHO-K1 Cell Line (Catalog # GM-C29044 )was stained with Anti-αvβ6 hIgG1 Antibody(m15H3) (Catalog # GM-53193AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

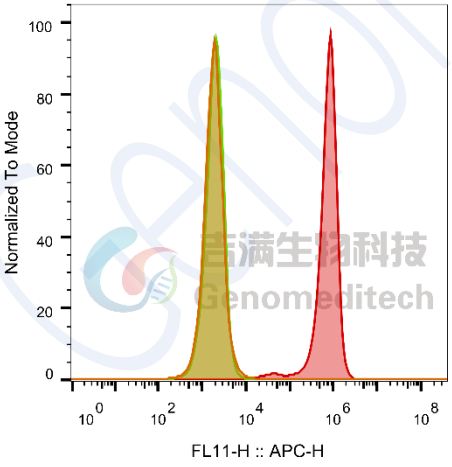



| | SampleID | Geometric Mean : FL11-H |
|---|---|---|
| | CHO-K1 anti-αvβ6+APC-2nd Ab | 2685 |
| | CHO-K1 H_ITGB6 H_IgG+APC-2nd Ab | 2529 |
| | CHO-K1 H_ITGB6 anti-αvβ6+APC-2nd Ab | 192824 |

Fig. FACS

Flow cytometry

The recommended usage range is 0.5-4 μg per test. Cynomolgus_αvβ6 HEK-293 Cell Line (Catalog # GM-C28127) was stained with Anti-αvβ6 hIgG1 Antibody(m15H3) (Catalog # GM-53193AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

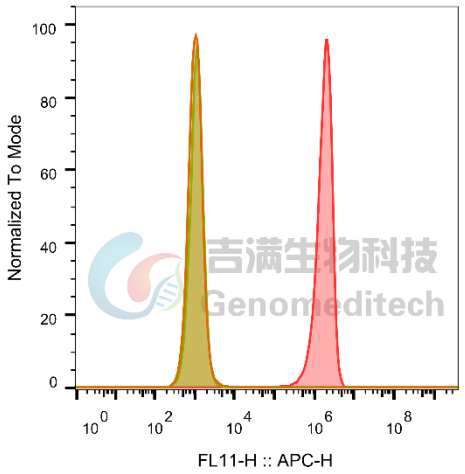



| | SampleID | Geometric Mean : FL11-H |
|---|---|---|
| | HEK-293 anti-αvβ6+APC-2nd Ab | 1830 |
| | HEK-293 Cyno_αvβ6 H_IgG+APC-2nd Ab | 1925 |
| | HEK-293 Cyno_αvβ6 anti-αvβ6+APC-2nd Ab | 6.83E5 |

Fig. FACS

Flow cytometry

The recommended usage range is 0.5-4 μg per test. H_αvβ6 HEK-293 Cell Line (Catalog # GM-C19431) was stained with Anti-αvβ6 hIgG1 Antibody(m15H3) (Catalog # GM-53193AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.




| | SampleID | Geometric Mean : FL11-H |
|---|---|---|
| | HEK-293 anti-αvβ6+APC-2nd Ab | 1058 |
| | HEK-293 H_IgG+APC-2nd Ab | 1120 |
| | HEK-293 H_αvβ6 anti-αvβ6+APC-2nd Ab | 1.68E6 |

Fig. FACS