

Anti-CD49F [GoH3] Bulk Size Ab02878-10.0-BT

This chimeric human antibody was made using the variable domain sequences of the original Rat IgG2a format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1, Kappa

Clone Number: GoH3

Alternative Name(s) of Target: Integrin alpha-6; ITGA6; CD49 antigen-like family member F; VLA-6

UniProt Accession Number of Target Protein: P23229

Published Application(s): FC, IF, IHC

Published Species Reactivity: Dog, Human, Mouse

Immunogen: This antibody was raised by immunizing a BALB/c rat with amino acids 1242-1255 of the C-terminus of the Human c-erbB-2/HER-2/neu protein

Specificity: This antibody is specific for the mouse, human and dog version of the CD49F protein. CD49F is a receptor for laminin on platelets. Furthermore CD49F is present in oocytes and is involved in sperm-egg fusion.

Application Notes: To determine the influence of anti-CD49f and anti-CD29 monoclonal antibodies on mitotic activity of epithelial cells, cryo-sections of human cultured gingiva were stained for immunohistochemistry using the mouse version of this antibody. (Becker et al, 2002; pmid:12013557). To isolate pancreatic islet progenitor cells from foetal mice, a mouse pancreatic cell dispersion was used for flow cytometry using the mouse version of this antibody (Sugiyama et al, 2006; pmid:17190805). To present evidence that HPV binds specifically to laminin 5, cultured keratinocytes infected with VLPs from HPV-11, were stained using the mouse version of this antibody (Culp et al, 2006; pmid:16940506).

Antibody First Published in: Becker et al. Influence of anti-CD49f and anti-CD29 monoclonal antibodies on mitotic activity of epithelial cells (HaCaT) and gingival fibroblasts in vitro Eur J Oral Sci. 2002 Apr;110(2):137-43. [PMID:12013557](#)

Note on publication: Monoclonal antibodies against the VLA-6 laminin receptor subunit alpha6 interrupted interactions between epithelial cells (HaCaT cells) and their extracellular matrix and thus resulted in reduction of proliferation rates by more than 50%. The same effect was observed with anti alpha1-antibodies.

Product Form

Size:

1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.