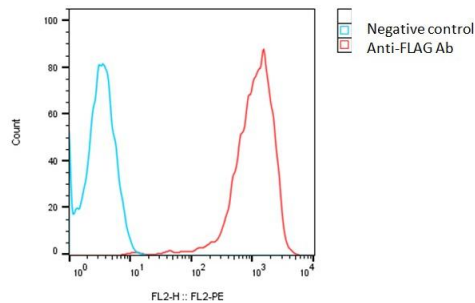


SPECIFICATIONS

Catalog Number	C3049
Cell Line Name	Human TMIGD2-CHO-K1 stable cell line
Accession Number	NM_144615.3, with an N-terminal FLAG tag
Host Cell	Adherent CHO-K1
Quantity	Two vials of frozen cells (2x10 ⁶ per vial)
Culture Medium	DMEM with 10% FBS, 4µg/ml puromycin
Freezing Medium	90% FBS and 10% DMSO
Storage	Liquid nitrogen

DATA

Detection of human TMIGD2 expression on human TMIGD2-CHO-K1 stable cells using an anti-FLAG tag antibody (Accurus, #A1001), followed by staining with PE-anti mouse antibody.


BACKGROUND

TMIGD2 (Transmembrane and Immunoglobulin Domain Containing 2, CD28H, IGPR1, and IGPR-1), is a transmembrane protein that contains immunoglobulin-like domains. TMIGD2 is expressed on naïve T cells, memory T lymphocytes, tissue-resident T cells (TRMs), NK cells, plasmacytoid dendritic cells (PDCs), and innate lymphoid cells (ILCs). As an adhesion molecule, previous studies have shown that TMIGD2 plays a vital role in cell–cell interactions, cell migration, and angiogenesis. In immune responses, TMIGD2 binds to HHLA-2 to produce co-stimulatory and inhibitory processes, depending on their environment. Irregular expression of TMIGD2 has been associated with cancer progression as high levels may lead to increased proliferation, migration, invasion, and resistance to apoptosis in cancer cells.

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