

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Olfactomedin-4/OLFM4 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 806305
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Olfactomedin-4/OLFM4 Asp21-Gln510 Accession # Q6UX06
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Olfactomedin-4 (OLFM4), previously called GC-1 (G-CSF-stimulated clone-1), GW112 or hOlfD, is a 64 kDa secreted glycoprotein that is a member of the Olfactomedin/Noelin family of proteins. Mature Olfactomedin-4 is a 490 amino acid (aa) protein that is secreted mainly as multimers. Human Olfactomedin-4 is mainly expressed by gastrointestinal stem cells, developing granulocytes, type M4 acute myelogenous leukemias, and intestinal and prostate cancer cells and is upregulated by NF-κB signaling. It is reported to facilitate cell-cell adhesion by binding to lectins and cadherins, and to be anti-apoptotic. Mature human Olfactomedin-4 shares 71% aa sequence identity with mouse and rat Olfactomedin-4.

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