

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Olfactomedin-4/OLFM4 in direct ELISAs and Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 806305
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant human Olfactomedin-4/OLFM4 Asp21-Gln510 Accession # Q6UX06
<b>Conjugate</b>	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
<b>Formulation</b>	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.

<b>Western Blot</b>	Optimal dilution of this antibody should be experimentally determined.
<b>Immunocytochemistry</b>	Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	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.

#### PRODUCT SPECIFIC NOTICES

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