

DESCRIPTION

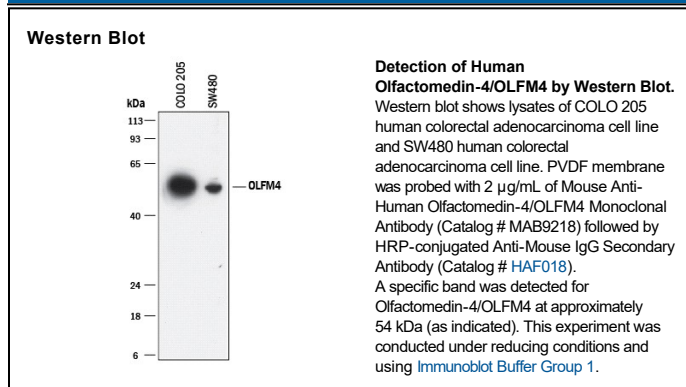
Species Reactivity	Human
Specificity	Detects human Olfactomedin-4/OLFM4 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 806305
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Olfactomedin-4/OLFM4 Asp21-Gln510 Accession # Q6UX06
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	2 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.