

Recombinant mouse RANKL protein (Active) ab129136

[4 References](#) [画像数 3](#)

製品の詳細

製品名	Recombinant mouse RANKL protein (Active)
生理活性	ab129136 activity is measured by its ability to induce osteoclast formation on mouse RAW264.7 cells using a concentration of 5.0-10.0 ng/mL (or $\geq 2.0 \times 10^4$ units/mg).
精製度	≥ 95 % SDS-PAGE. UV spectroscopy at 280 nm. Purified using standard chromatographical techniques.
エンドキシン・レベル	≤ 1.000 Eu/ μ g
発現系	Escherichia coli
アクセッション番号	<u>O35235</u>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Mouse
配列	MPAMMEGSWLD VAQRGKPEAQ PFAHLTINAA SIPSGSHKVT LSSWYHDRGW AKISNMTLSN GKLRVNQDGF YYLYANICFR HHETSGSVPT DYLQLMVYVV KTSIKIPSSH NLMKGGSTKN WSGNSEHFHY SINVGFFFKL RAGEEISIQV SNPSLLDPDQ DATYFGAFKV QDID
予測される分子量	20 kDa
領域	143 to 316

特性

Our **Abpromise guarantee** covers the use of **ab129136** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	SDS-PAGE Functional Studies
製品の状態	Lyophilized

前処理および保存

保存方法および安定性

Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA).

Constituents: 0.16% Sodium phosphate, 0.29% Sodium chloride

Lyophilized from a sterile (0.2 micron) filtered aqueous solution.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

再構成

Centrifuge vial before opening. Gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions. Allow several minutes for complete reconstitution.

関連情報

機能

Cytokine that binds to TNFRSF11B/OPG and to TNFRSF11A/RANK. Osteoclast differentiation and activation factor. Augments the ability of dendritic cells to stimulate naive T-cell proliferation. May be an important regulator of interactions between T-cells and dendritic cells and may play a role in the regulation of the T-cell-dependent immune response. May also play an important role in enhanced bone-resorption in humoral hypercalcemia of malignancy.

組織特異性

Highest in the peripheral lymph nodes, weak in spleen, peripheral blood Leukocytes, bone marrow, heart, placenta, skeletal muscle, stomach and thyroid.

関連疾患

Defects in TNFSF11 are the cause of osteopetrosis autosomal recessive type 2 (OPTB2) [MIM:259710]; also known as osteoclast-poor osteopetrosis. Osteopetrosis is a rare genetic disease characterized by abnormally dense bone, due to defective resorption of immature bone. The disorder occurs in two forms: a severe autosomal recessive form occurring in utero, infancy, or childhood, and a benign autosomal dominant form occurring in adolescence or adulthood. Autosomal recessive osteopetrosis is usually associated with normal or elevated amount of non-functional osteoclasts. OPTB2 is characterized by paucity of osteoclasts, suggesting a molecular defect in osteoclast development.

配列類似性

Belongs to the tumor necrosis factor family.

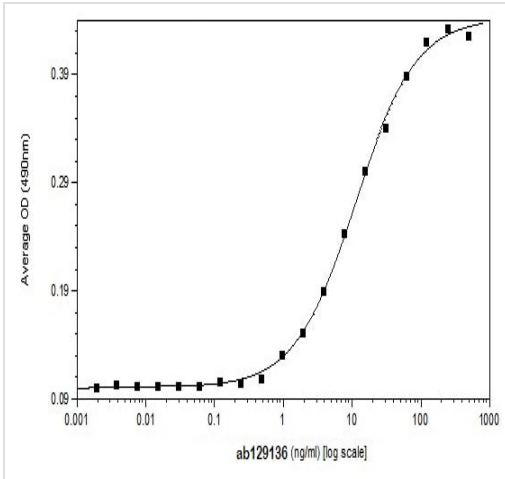
翻訳後修飾

The soluble form of isoform 1 derives from the membrane form by proteolytic processing (By similarity). The cleavage may be catalyzed by ADAM17.

細胞内局在

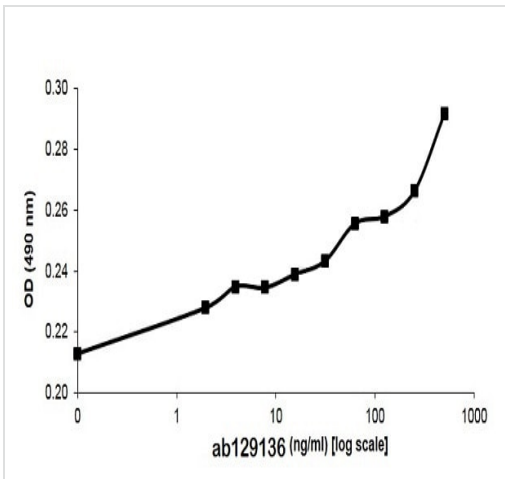
Cytoplasm; Secreted and Cell membrane.

画像



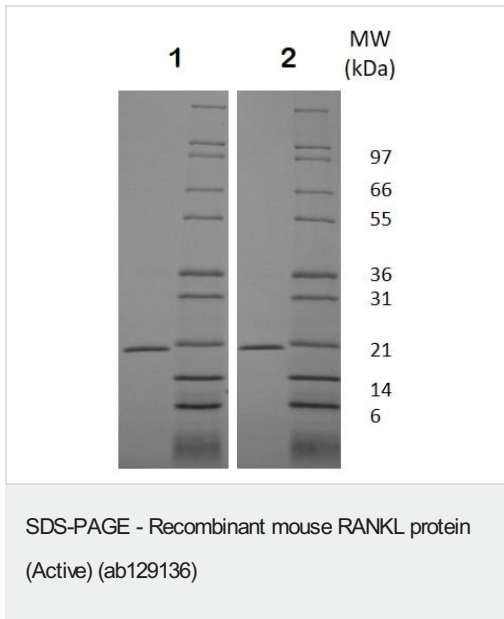
ab129136 induced SEAP Production by RAW-blue TM cells.

Functional Studies - Recombinant mouse RANKL protein (Active) (ab129136)



ab129136 Induced production of TNF alpha from RAW cells.

Functional Studies - Recombinant mouse RANKL protein (Active) (ab129136)



1µg of ab129136 in a 4-20% Tris-Glycine gel, stained with Coomassie Blue.

Lane 1: Reducing conditions.

Lane 2: Non-reducing conditions.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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