



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Anti-CD134 [A10-F] Bulk Size Ab02228-23.0-BT

This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** A10-F

**Alternative Name(s) of Target:** OX40; OX40L receptor; TNFRSF4; Tumor necrosis factor receptor superfamily member 4; ACT35 antigen; TAX transcriptionally-activated glycoprotein 1 receptor

**UniProt Accession Number of Target Protein:** P43489

**Published Application(s):** ELIS, Block, FC

**Published Species Reactivity:** Human, Rhesus Monkey, Cynomolgus Monkey

**Immunogen:** The original antibody was generated by immunizing mice with a soluble OX40/Fcγ1 as an immunogen, combined with Freund's adjuvant (1:1) and administered to two six-week-old A/J mice.

**Specificity:** This antibody binds the human OX40, blocks binding of OX40L to OX40 and inhibits one or more functions associated with binding of OX40L to OX40. It also cross reacts with OX40 from cynomolgus and rhesus monkey.

**Application Notes:** This antagonist antibody is a humanized version of the original murine parent antibody A10. The binding specificity of this antibody to OX40 was determined by ELISA and flow cytometric techniques. Naïve CD4<sup>+</sup> T-cell assay was used to test the ability to inhibit cytokine production, proliferation, and to induce apoptosis in human CD4<sup>+</sup> T-cells. A10-F inhibited cytokine release (IL-2/IL-5/IL-13) and CD4<sup>+</sup> T-cells proliferation to the same level as its murine parent. A10-F was also tested for its antagonistic activities like inhibiting the proliferation and cytokine release of Th1 primed T-cells, Th2 primed T-cells and Th17 cells in the presence of irradiated OX40L transfected L-cells or parental L-cells. Under Th1 conditions, A10-F inhibited the production of IL-2, IL-5, IL-13 cytokines and cell proliferation. Under Th2 conditions, A10-F showed an antagonistic effect on activated CD4<sup>+</sup> T-cells by inhibiting their proliferation and cytokine release (IL-2, IL-5, and IL-13). With Th17 cells, A10-F increased apoptosis in a dose dependent manner. Cell proliferation and cytokine production in Th2 cells primed with TSLP-activated myeloid CD11c<sup>+</sup> dendritic cells (DCs) was inhibited in the presence of A10-F. It also further caused significant increase in apoptosis and a lower expression of Survivin. A10-F was also tested for its antagonistic activities and the ability to inhibit the proliferation and cytokine production of Th1 primed T-cells in the presence of LPS-activated DCs. Here also A10-F inhibited the IL-2, IFN-γ, and TNF-α cytokines

production and cell proliferation (US20100136030).

**Antibody First Published in:** US20100136030 [PMID:](#)

**Note on publication:**

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.