



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-ICOS ligand [Clone 325] Bulk Size Ab03803-10.0-BT

**Isotype and Format:** Human IgG1, Lambda

**Clone Number:** Clone 325

**Alternative Name(s) of Target:** CD275; ICOSLG; ICOSL; B7-H2; B7H2; B7RP-1; B7RP1; KIAA0653; B7 homolog 2; B7-like protein GL50; B7-related protein 1

**UniProt Accession Number of Target Protein:** O75144

**Published Application(s):** inhibit, Block, ELISA, FC

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was isolated from a human naïve scFv phage library and panning against B7RP-1-Fc protein.

**Specificity:** This antibody binds human B7RP-1, which is a ligand for T-cell-specific cell surface receptor ICOS. It acts as a costimulatory signal for T-cell proliferation and cytokine secretion and also induces B-cell proliferation and differentiation into plasma cells.

**Application Notes:** The scFv version of this antibody binds B7RP-1-Fc with a  $K_d = 22\text{nM}$ . The binding specificity of this antibody was confirmed using ELISA. This scFv version of this antibody was shown to bind B7RP-1-Fc in an ELISA. This antibody recognized B7RP-1 molecules expressed on B cells, as assessed by flow cytometry. This antibody is capable of inhibiting interaction between ICOS-Fc and B7RP-1-Fc. This antibody also exhibited inhibitory activity in a proliferation assay of T cells stimulated with anti-CD3 mAb and B7RP-1-Fc (Maeda et al., 2009; PMID: 20065650).

**Antibody First Published in:** Maeda et al. Regulation of T cell response by blocking the ICOS signal with the B7RP-1-specific small antibody fragment isolated from human antibody phage library. *MAbs.* (2009); 1(5): 453-461. [PMID:20065650](#)

**Note on publication:** Describes the generation of this antibody and its use in the study of T cell response by blocking the ICOS signal using this antibody.

### 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.