



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Technically
Speaking

CEDARLANE[®]
www.cedarlanelabs.com



Conveniently Delivering You Today's Innovations
for the Science of Tomorrow™

Purified Mouse Anti-Human CD300a Monoclonal Antibody

CLX352AP

Lot:

Size: 0.1 mg

Clone: MEM-260

Isotype: Mouse IgG1

Specificity: The antibody MEM-260 reacts with CD300a, a 60 kDa leukocyte trans-membrane glycoprotein expressed on human granulocytes, monocytes, neutrophils, NK cells, mast cells and dendritic cells, 25% of circulating T cells and 15% of circulating B cells.

Immunogen: HPB human acute lymphoid leukemia cell line

Species Reactivity: Human

Application: **Flow Cytometry**
Western Blotting
Positive material: HPB cell line
Negative material: JURKAT human cell line, RAJI human cell line
Sample preparation: Re-suspend approx. 50 mil. Cells in 1 ml cold Lysis buffer (1% laurylmaltoside in 20 mM Tris-Cl, 100 mM NaCl pH 8.2, 50 mM NaF including Protease inhibitor Cocktail). Incubate 60 min on ice. Centrifuge to remove cell debris. Mix lysate with non-reducing SDS-PAGE sample buffer.
Application note: Non-reducing conditions.

Purity: > 95% (by SDS-PAGE)

Purification: Purified from hybridoma culture supernatant by protein-A affinity chromatography.

Concentration: 1 mg/ml

Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4

Storage / Stability: Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Continued...

Visit our website for your local distributor.

CEDARLANE[®]



www.cedarlanelabs.com

An ISO 9001:2000 and ISO 13485:2003
registered company.

In CANADA: **Toll Free: 1-800-268-5058**

4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020
e-mail: general@cedarlanelabs.com

In the USA: **Toll Free: 1-800-721-1644**

1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138
e-mail: service@cedarlanelabs.com

Background:

CD300a (CMRF-35H, IRp60) is a non-MHC-specific inhibitory receptor of immunoglobulin superfamily, which contains three immunoreceptor tyrosine-based inhibitory motifs (ITIMs) that associate with SH2-containing phosphatases SHP-1 and SHP-2. CD300a is expressed on many cell types including T cells, NK cells, neutrophils, eosinophils or mast cells. Its triggering inhibits activating signals such as those of IL5, GM-CSF or eotaxin, as well as suppresses mast cell degranulation or NK cell cytotoxic activity.

References:

*Cantoni C, Bottino C, Augugliaro R, Morelli L, Marcenaro E, Castriconi R, Vitale M, Pende D, Sivori S, Millo R, Biassoni R, Moretta L, Moretta A: Molecular and functional characterization of IRp60, a member of the immunoglobulin superfamily that functions as an inhibitory receptor in human NK cells. *Eur J Immunol.* 1999 Oct;29(10):3148-59.

*Bachelet I, Munitz A, Moretta A, Moretta L, Levi-Schaffer F: The inhibitory receptor IRp60 (CD300a) is expressed and functional on human mast cells. *J Immunol.* 2005 Dec 15;175(12):7989-95.

*Bachelet I, Munitz A, Levi-Schaffer F: Abrogation of allergic reactions by a bispecific antibody fragment linking IgE to CD300a. *J Allergy Clin Immunol.* 2006 Jun;117(6):1314-20.

*Dimasi N, Roessle M, Moran O, Candiano G, Svergun DI, Biassoni R: Molecular analysis and solution structure from small-angle X-ray scattering of the human natural killer inhibitory receptor IRp60 (CD300a). *Int J Biol Macromol.* 2007 Feb 20;40(3):193-200.

*Alvarez Y, Tang X, Coligan JE, Borrego F: The CD300a (IRp60) inhibitory receptor is rapidly up-regulated on human neutrophils in response to inflammatory stimuli and modulates CD32a (FcγRIIa) mediated signaling. *Mol Immunol.* 2008 Jan;45(1):253-8.

Laboratory Reagent For Research Use Only