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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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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

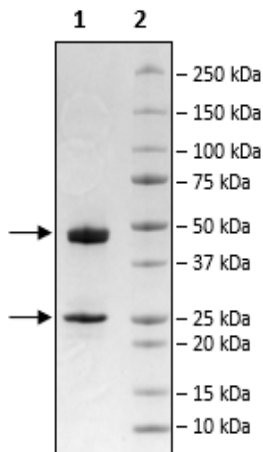
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Product Information

Description:	Anti-GPRC5D-Anti-CD3 bispecific antibody is a purified recombinant human bispecific antibody with T cell engager. This bispecific antibody has been tested in a functional assay using NFAT Luciferase Reporter Jurkat Cell Line (BPS Bioscience #60621) in the presence of GPRC5D CHO Recombinant Cell Line (BPS Bioscience #78337) that overexpress GPRC5D (G protein-coupled receptor, class C group 5 member D).
Background:	The orphan G protein-coupled receptor, class C group 5 member D (GPRC5D) is a retinoic acid-inducible protein with seven transmembrane segments and a short N-terminal extracellular region. The strong and selective expression of GPRC5D in Multiple Myeloma (MM) cells, similar to the expression pattern of B-cell maturation antigen (BCMA), makes it a promising target for the treatment of MM. It is anticipated that GPRC5D will be an alternative CAR (chimeric antigen receptor)-T cell target for MM immunotherapy.
Species	Human
Concentration:	1.62 mg/ml
Isotype:	IgG1
Clonality:	Monoclonal
Expression System:	HEK293
Purity:	≥90%
Format:	Aqueous buffer solution.
Formulated In:	8 mM phosphate pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol
MW:	Heavy Chain: 49 kDa + glycans; Light Chain: 24 kDa
Glycosylation:	This antibody runs at a higher MW by SDS-PAGE due to glycosylation.
Endotoxin:	0.9 EU/mg
Stability:	At least 12 months at -80°C.
Storage:	-80°C
Instructions for Use:	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Assay Conditions:	This antibody was tested as followed. GPRC5D CHO cells (#78337) were incubated with NFAT Luciferase Reporter Jurkat cells (#60621) in a 96-well plate at a 1:2 ratio. Anti-GPRC5D-Anti-CD3 Bispecific Antibody and the negative control Anti-Claudin18.2-Anti-CD3 IgG Bispecific Antibody (#101541) were serially diluted and added to the cells. After 20 hours, luciferase activity was measured with ONE-Step™ Assay System (#60690) and luminescence was measured in a plate reader.
Applications:	Anti-GPRC5D-Anti-CD3 Bispecific Antibody can be used for studying GPRC5D ⁺ cancer cell-mediated T cell activation, using either primary T cells or reporter cell lines such NFAT Luciferase Reporter Jurkat Cell Line (#60621).

Quality Control Data

4-20% SDS-PAGE Coomassie Staining



Activation of NFAT Jurkat Reporter cells by Anti-GPRC5D-Anti-CD3 Bispecific Antibody

