Product Datasheet

Anti-Human CD40/TNFRSF5 Reference Antibody (Lucatumumab, RUO)
Catalog No.: BS10123

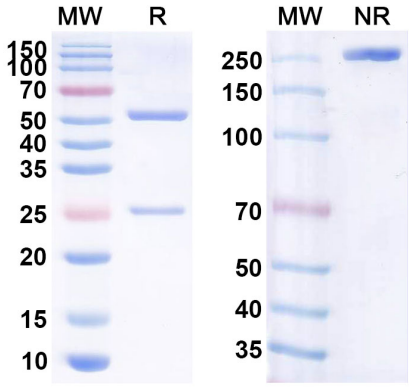
Product Information

Catalog No.	BS10123
Product name	Anti-Human CD40/TNFRSF5 Reference Antibody (Lucatumumab, RUO)
Applications	ELISA, Bioactivity: FACS, Functional assay, Research in vivo
Species reactivity	Human
Host species	Human
Clonality	Monoclonal
Isotype	IgG1-kappa
Form	Liquid
Storage buffer	0.01M PBS, pH 7.4.
Concentration	1mg/ml
Purity	>95% purity as determined by SDS-PAGE.
Purification	Protein A/G purified from cell culture supernatant.
Target	Tumor necrosis factor receptor superfamily member 5, B-cell surface antigen CD40, Bp50, CD40L receptor, TNFRSF5, CDw40, CD40
Expression system	Mammalian Cells
Accession	P25942
Endotoxin level	Please contact the lab for this information.
Stability and Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Store at 4°C for short-term storage (1-2 weeks). Store at -20°C for up to 12 months. For long-term storage, store at -80°C.
Alternative Names	CHIR-12, 12, HCD122, 903512-50-5
Note	For research use only. Not suitable for clinical or therapeutic use.

Background

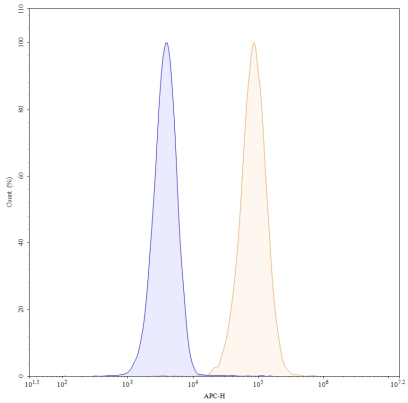
Iscalimab is a new, fully human, monoclonal antibody preventing cluster of differentiation 40 (CD40) pathway signaling and activation of CD40+ cell types. In a recent multicenter, randomized control trial (NCT02217410), with the primary endpoint of non-inferiority on the composite endpoint, iscalimab therapy showed non-inferiority on a composite clinical endpoint, improved renal function, reduced risk for new onset diabetes and similar safety compared with tacrolimus. The analysis presented at the ATC included patients from this study that underwent either routine biopsies or biopsies as part of a follow-up protocol. The data was reviewed and scored by a blinded pathologist using the established Banff criteria and CADI. A CADI of 1 or less was considered as 'normal renal histology'. The average CADI at final biopsy was 1.6 ±0.6 for iscalimab and 5.1 ±0.8 for tacrolimus.

Image Data



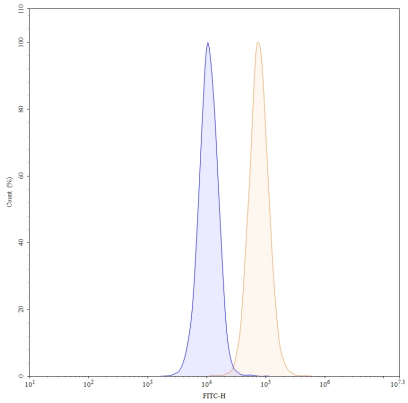
SDS-PAGE

SDS-PAGE for Research Grade Lucatumumab.



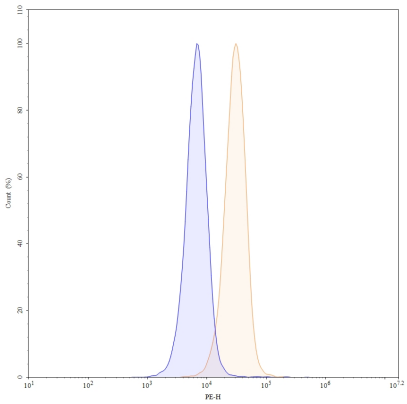
Flow CytoMetry

Flow-cytometry using APC anti-human CD40 antibody. U2OS cells were stained with an irrelevant antibody (Blue Histogram) or an APC anti-human CD40 monoclonal antibody (Catalog: HB782056, Yellow Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, and cells analysed on a NovoCyte Flow Cytometer.



Flow CytoMetry

Flow-cytometry using FITC anti-human CD40 antibody. U2OS cells were stained with an irrelevant antibody (Blue Histogram) or an FITC anti-human CD40 monoclonal antibody (Catalog: HB782056, Yellow Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, and cells analysed on a NovoCyte Flow Cytometer.



Flow CytoMetry

Flow-cytometry using PE anti-human CD40 antibody. U2OS cells were stained with an irrelevant antibody (Blue Histogram) or an PE anti-human CD40 monoclonal antibody (Catalog: HB782056, Yellow Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, and cells analysed on a NovoCyte Flow Cytometer.