

INITIAL RESULTS OF DOSE ESCALATION OF ISB 1342, A NOVEL CD38XCD3 BISPECIFIC ANTIBODY, IN PATIENTS WITH RELAPSED / REFRACTORY MULTIPLE MYELOMA (RRMM)

Sanjay Mohan, Cristiana Costa Chase, Jesus Berdeja, Lionel Karlin, Karim Belhadj, Aurore Perrot, Philippe Moreau, Cyrille Touzeau, Thomas Chalopin, Alexander Lesokhin, Carol Ann Huff, David Vesole, Joshua Richter, Jeffrey Matous, Eileen Wolff, Girish Gudi, Andrew Garton, Vinu CA, Sunitha GN, Eric Feldman, Mohamad Mohty

...ichnos...

PRESENTED AT THE 64TH AMERICAN SOCIETY OF HEMATOLOGY ANNUAL MEETING
NEW ORLEANS, LA | DECEMBER 11, 2022
DO NOT COPY OR DISTRIBUTE

High Unmet Medical Need Remains in Patients with Relapsed / Refractory Multiple Myeloma, Despite Recent Advances in Treatment

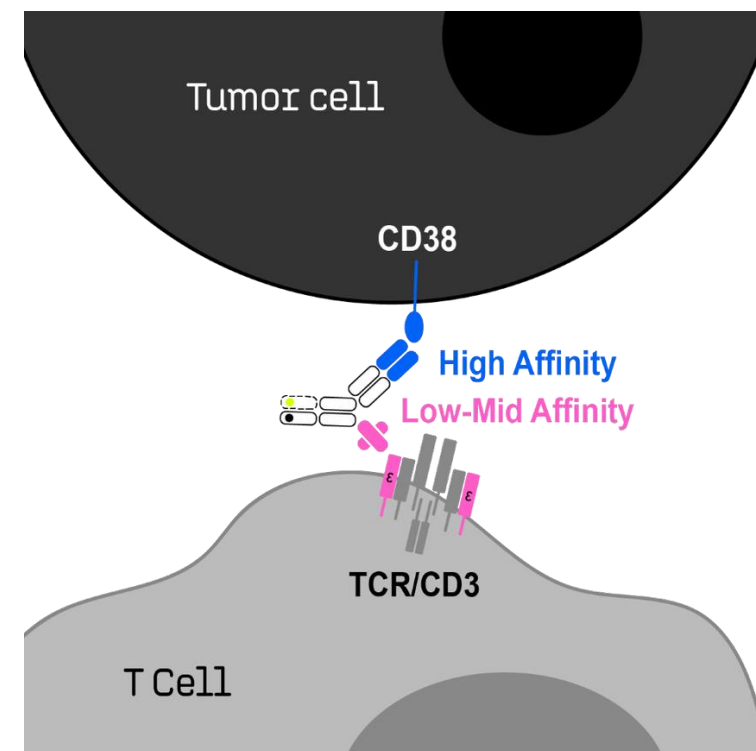
- Significant unmet medical need exists in triple refractory patients that have progressed following treatment with proteasome inhibitors, IMiD and anti-CD38 monoclonal antibodies¹
- BCMA targeted therapy, including CAR-T and T cell engagers, have demonstrated high overall response rates, however relapse continues to be observed²
- T cell engaging bispecific antibodies with alternative targets may offer an option that results in more complete and durable responses

¹ Gandhi UH et al. *Leukemia* 2019; 33: 2266–75

² Watson, et al. *Expert Rev Hematol.* 2022 Jun;15(6):503-517

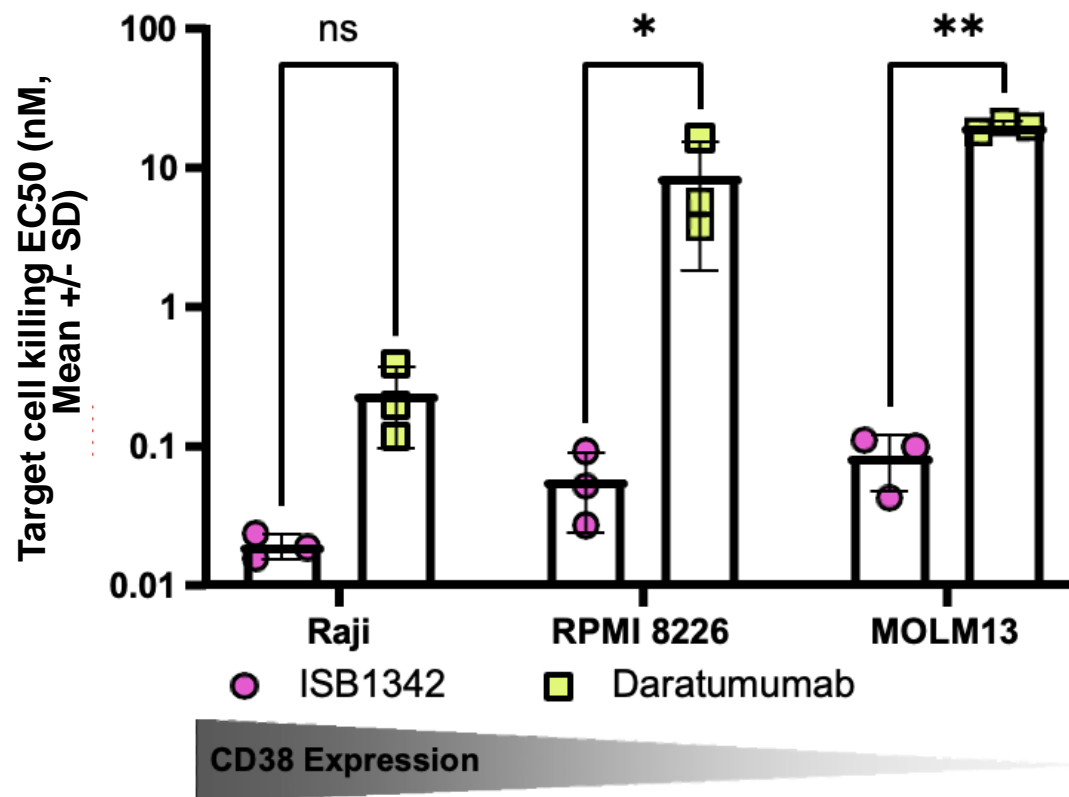
ISB 1342 (CD38 x CD3) Bispecific Antibody: Potential First-in-Class Therapy in Relapsed/Refractory Multiple Myeloma

- CD38 is expressed on the surface of multiple myeloma cells and is a validated target
- ISB 1342 is a bispecific antibody that redirects T lymphocytes to kill CD38-expressing tumor cells in MHC-antigen-independent manner
- ISB 1342 binds with high-affinity to a proprietary anti-CD38 epitope, which is different from that of daratumumab or isatuximab
- ISB 1342 is designed to overcome:
 - + Daratumumab resistance by killing low CD38-expressing tumor cells
 - + Resistance to CDC and ADCC mediated by daratumumab



ISB 1342 Demonstrates Superior Potency to Daratumumab in Both CD38 High- and Low-Expressing Cells

ISB 1342 Potency Maintained in Tumor Cells Across Levels of CD38 Expression

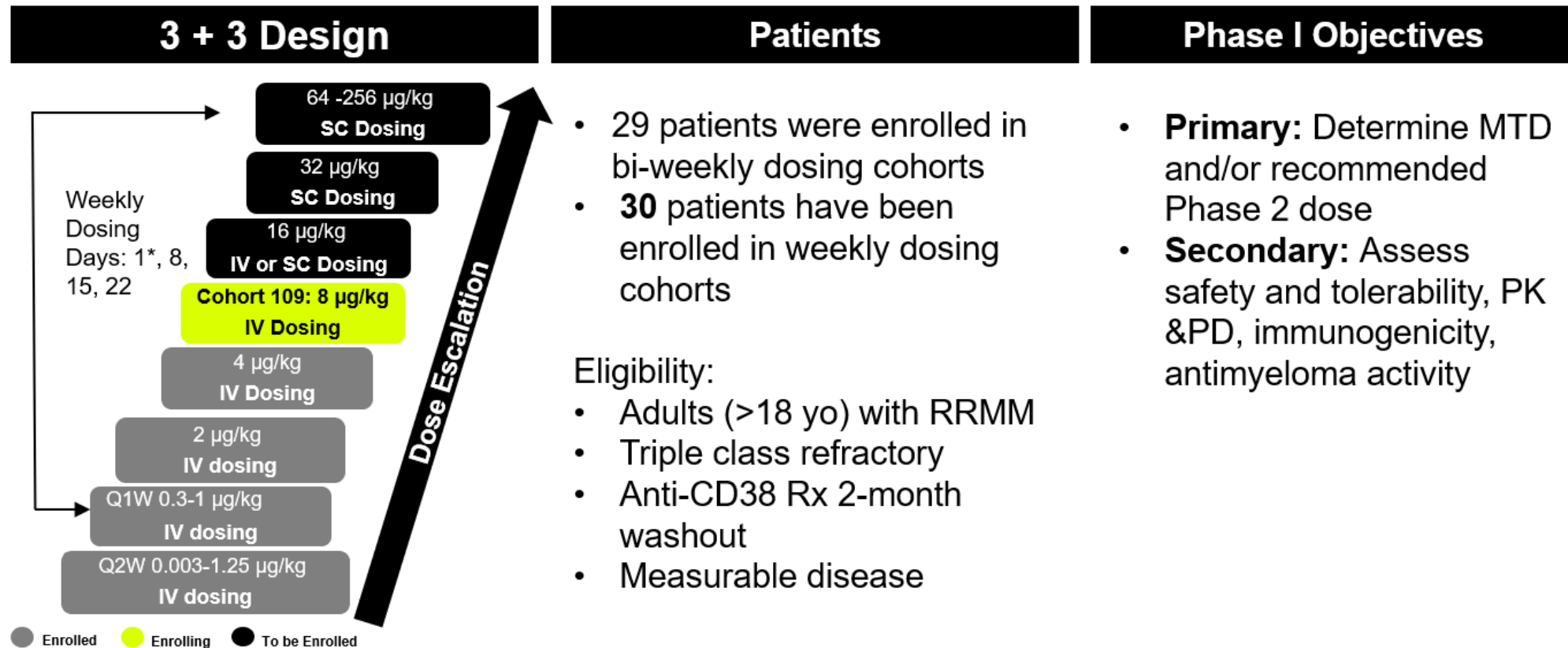


Multiple modes of action killing assay combines Antibody-Dependent Cell-mediated Cytotoxicity (ADCC), Complement-Dependent Cytotoxicity (CDC) and re-directed cell lysis. ISB 1342 induced a statistically significantly better killing than daratumumab. ns: $p \geq 0.05$; * $p < 0.01$; ** $p < 0.0001$
 Journal of Clinical Oncology 39, no. 15_suppl (May 20, 2021) 8044-8044

...ichnos...

PRESENTED AT THE 64TH AMERICAN SOCIETY OF HEMATOLOGY ANNUAL MEETING
 NEW ORLEANS, LA | DECEMBER 11, 2022
 DO NOT COPY OR DISTRIBUTE

ISB 1342 Phase 1 Escalation Cohort Summary



*Priming dose administered on Cycle 1 Day 1 followed by maintenance dose onwards (as shown). Data cutoff as of Oct 25, 2022 (including 3 ongoing patients in cohort 109 who received 1, 3, and 3 doses of ISB 1342).

Baseline Characteristics

Baseline Characteristics	ISB 1342-101 Q1W cohort
Median age	68 (54-76)
ISS stage at BL (n=21)	
Stage 1	30%
Stage 2	30%
Stage 3	30%
Median prior regimens	6.0 (2-11)
Triple refractory	90%
Penta-refractory	73%
Median time from last CD38-directed therapy	16.6 months (3-50)
Prior anti-BCMA	30%
Prior T-cell-based treatment	10%

TEAEs Observed in >10% of Patients in Q1W

TEAE# (>10% Q1W cohort)	All Grade n (%)	Grade ≥3 n (%)
Any TEAE	30 (100.0)	25 (83.3)
Infusion related reaction	13 (43.3)	5 (16.7)
Anemia	10 (33.3)	7 (23.3)
Thrombocytopenia	9 (30.0)	3 (10.0)
Blood creatinine increased	6 (20.0)	1 (3.3)
Cytokine release syndrome*	6 (20.0)	0
Hypoalbuminemia	5 (16.7)	0
Hypokalemia	5 (16.7)	0
Hyponatremia	4 (13.3)	0
Leukopenia	4 (13.3)	1 (3.3)
Lymphopenia	4 (13.3)	2 (6.7)

- A single DLT (Grade 3 delirium) was observed in a 73-year-old patient treated in cohort 104 (0.3/0.55 µg/kg) after the third dose of ISB 1342. This event was not a CRS event.

Data in this table include all treated patients in the Q1W IV cohort as of Oct 25, 2022. At the data cutoff, cohort 109 testing a priming dose of 2 µg/kg followed by a weekly dose of 8 µg/kg is open, and 3 patients have received 1, 3, and 3 doses of ISB 1342.

*Tocilizumab was given to 1 patient

Conclusions

- Treatment with ISB 1342 was well tolerated at the evaluated Q1W dose levels up to cohort 109 (2µg/kg priming, 8µg/kg targeted dose)
- The observed CRS events were moderate and manageable with supportive care
- No increased risk of infection has been observed
- Dose escalation continues with participants enrolling in additional cohorts