FLASH NOTE

Company Update

USA | Healthcare | Biotechnology

June 1, 2015

Jefferies

Immune Design (IMDZ)

PI Monotherapy Data At ASCO Supports Combo Approach

BUY
Price target $28.00
Price $21.79

EQUITY RESEARCH AMERICAS

Key Takeaway

While IMDZ in the abstracts reported encouraging efficacy with LV/G305 phase I with a clinical benefit rate of 67% in each study, we were encouraged by the correlation btwn CD4/CD8 T cell responses and duration of response in the LV305 poster. While patient numbers are small, these early data support further combination trials. IMDZ should provide add'l updates on next steps at their Investor Event in NY on June 2 at 5:30 PM.

LV/G305 Continue Forward: In the poster at ASCO, IMDZ reported a clinical benefit rate of 67% with LV305 in 12 sarcoma patients and was similar to data presented in the abstract. The median duration of stable disease was 208 days which was also similar to the abstract. The PI trial evaluated across four dose cohorts, and we could not detect a dose response across dose cohorts, however, the number of patients was small w/ 3 patients in each arm. We were more enthusiastic about the correlation btwn increases in both CD4 and CD8 T cells and the duration of response. There were three patients that observed both a CD4 and CD8 T cell response, and all three patients observed a duration of response > 150 days w/ two patients with a duration of response of greater than 300 days. These data support a combination therapy given one should observe CD4 T cell stimulation with G305 and CD8 T cell stimulation driven by LV305.

G305 Shows CD4 T Cell Stimulation: IMDZ presented PI data in 12 pts with unresectable, relapsed, or metastatic melanoma, sarcoma, ovarian, bladder, or lung cancer expressing NY-ESO1 in 3+3 design evaluating the 2 ug, 5 ug, or 10 ug doses. IMDZ reported nearly half of the patients observed CD4 T cell response and 75% reported a humoral response to G305. IMDZ reported 67% stable disease with four patients continued to be followed w/ duration of stable disease in these patients > 250 days. In the abstract, the company reported 50% achieved stable disease w/ stable disease ranging from 2 to 8+ months. Clearly, the poster reported more robust durations with two patients continuing for >300 days.

Updates on G100 - Incremental Improvements in Merkel cell carcinoma. IMDZ also released data yesterday from PI study of G100 in Merkel cell carcinoma with G100 observing more durable responses compared to the abstract. Both patients w/ locoregional disease were reported to have been recurrence free at 11+ and 4+ months in the abstract. However, in the poster at ASCO, both patients continued to be recurrence-free at 467 and 336 days, respectively. Also, in the second cohort of patients consisting of six patients with metastatic disease, two patients reported partial responses which were previously reported to be stable disease in the abstract and both patients experience duration of responses > 150 days.

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Company Description

Immune Design Corp., a clinical-stage immunotherapy company, focuses on the development of novel immune-based therapies based on its DCVex and GLAAS discovery platforms for cancer and other chronic conditions. Its product candidates in Phase I clinical trials comprise LV305, CMB305, and G305 for the treatment of solid tumor types, such as breast cancer, melanoma, non-small cell lung cancer, ovarian cancer, or sarcoma; and G100 for the treatment of patients with merkel cell carcinoma. The company was founded in 2008 and is headquartered in Seattle, Washington.

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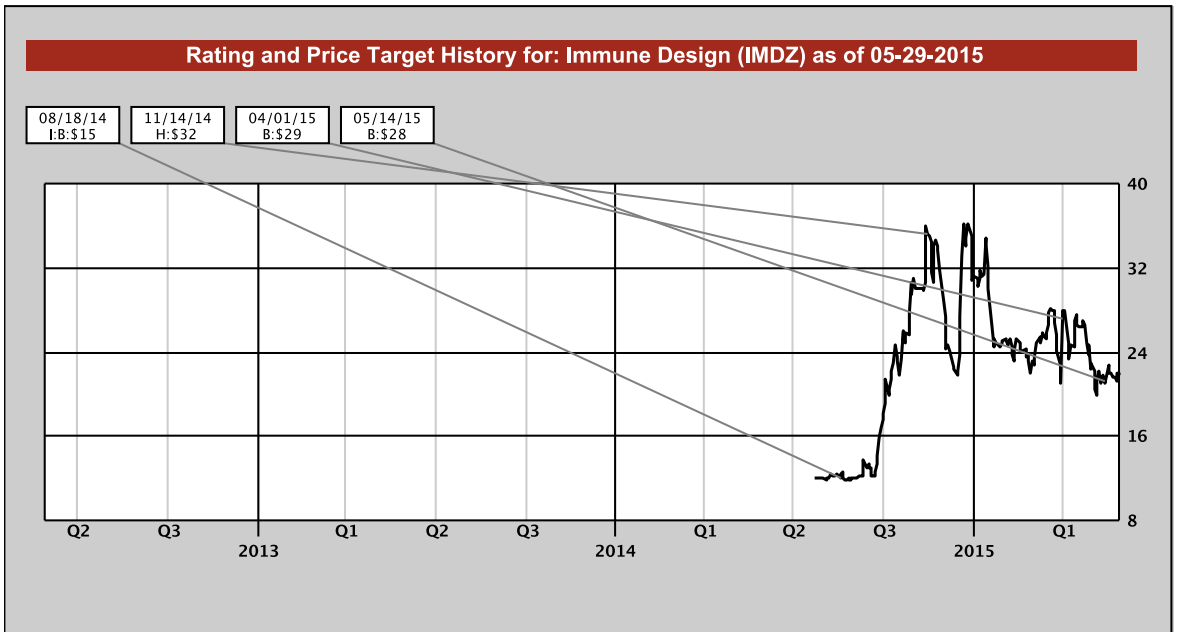

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