## Haematologica HAEMATOL/2018/188193 Version 4 The interleukin-3 receptor CD123 targeted SL-401 mediates potent cytotoxic activity against CD34<SUP>+</SUP>CD123<SUP>+</SUP> cells from acute myeloid leukemia / myelodysplastic syndrome patients and healthy donors

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Contributions: R.M. planned, designed and performed experiments, analyzed data, wrote the drafts of the paper. S.G., B.G., R.R., R.W. and M.T. assisted with the experiments. X.M. performed the statistical analysis. A.G., D.B., D.M.L., C.B., A.D., A.W., W.B., J.C.B., and G.L. provided necessary reagents, supported components of the research. A. M, A.W., W.B. and S.V. contributed to the AML/MDS patient care, translation insight to the study. S.V. and N.M. conceived the idea, designed experiments, supervised the study, sought funding and reviewed drafts. All authors helped with revision of the draft and approved the final version for submission.