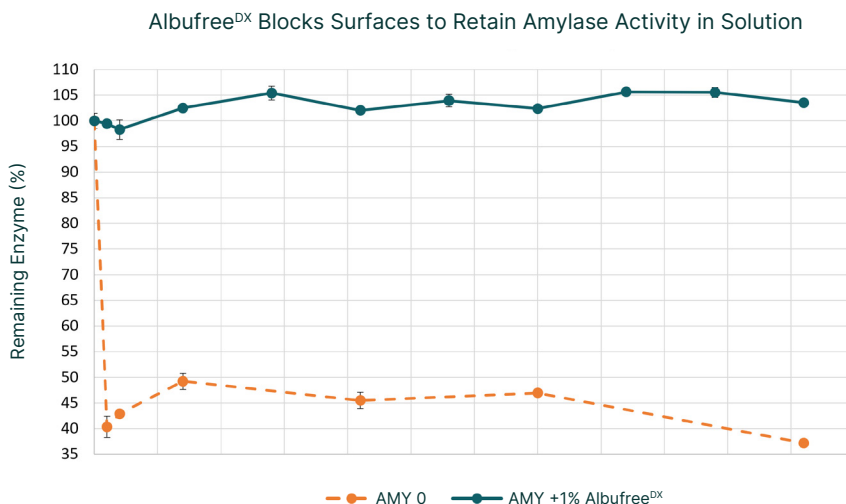


REDUCE VARIABILITY WITH LOT-TO-LOT CONSISTENCY

NEW RECOMBINANT ALBUMIN, ALBUFREE^{DX}

Albufree^{DX}, our diagnostic-grade recombinant human albumin (rHA), is now on the market—supported by data you can rely on. Across studies evaluating enzyme activity, surface binding, and free thiol content, our team compared Albufree^{DX} against various albumins. Albufree^{DX} demonstrated strong lot-to-lot consistency, as well as, reliable binding, blocking, and stabilizing properties throughout the various experiments.

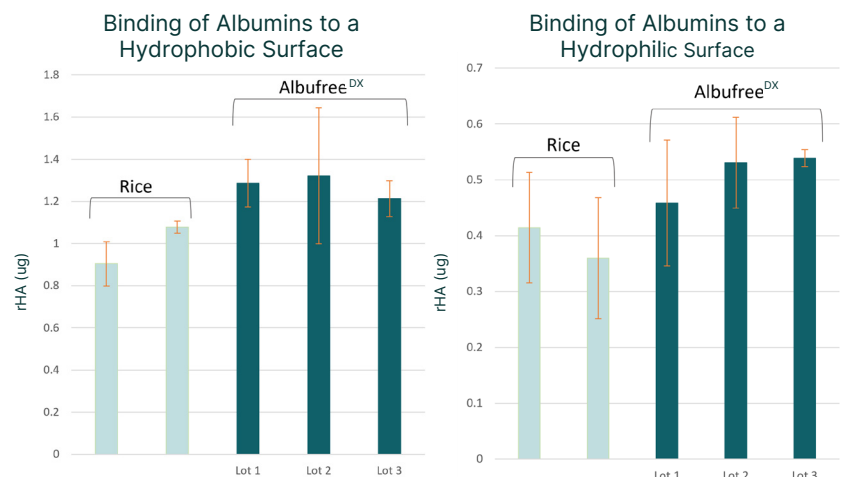
PROTECTS & STABILIZES SENSITIVE PROTEINS



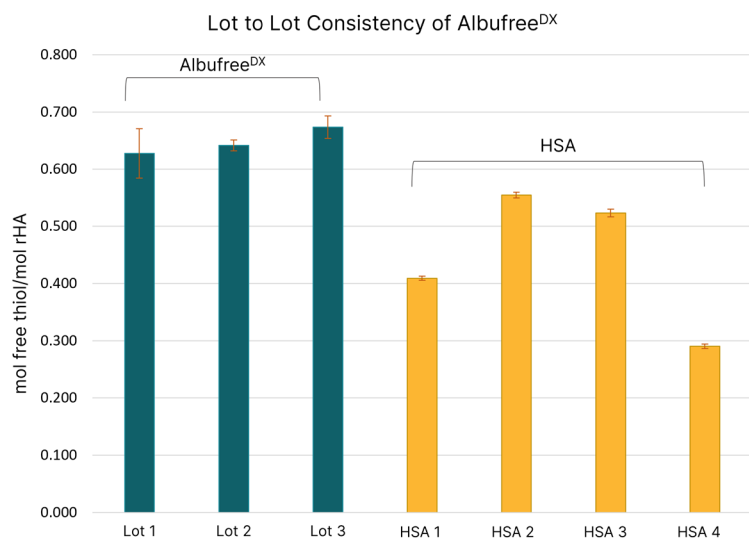
In an enzyme availability study, results revealed that Albufree^{DX} maintained enzyme activity, while a no-albumin control showed rapid decline in activity—**demonstrating Albufree^{DX}'s ability to protect valuable proteins like enzymes and cytokines.**

To better understand blocking performance, we evaluated binding across both hydrophobic and hydrophilic surfaces. Compared to a leading albumin produced from rice, Albufree^{DX} achieved greater surface binding, **demonstrating superior blocking efficiency and dependable lot-to-lot consistency.**

CONSISTENT SURFACE BINDING



CONSISTENT RESULTS TO ELIMINATE VARIABILITY



Three lots of Albufree^{DX} were evaluated for free thiol content alongside four native HSAs. Across all three lots, **Albufree^{DX} demonstrated consistent results**, while native HSA exhibited variability across suppliers—introducing potential inconsistencies and reduced assay predictability.

These results indicate that Albufree^{DX} is the better solution for sensitive applications.

APPLICATIONS

Is Albufree^{DX} the right choice for you? Many IVD workflows are replacing BSA or HSA with animal- and human-origin-free albumin in applications such as immunoassays and enzymatic reactions. Albumin plays a critical role as a surface blocker, protein stabilizer, reference standard, and carrier protein—so if your application relies on these functions, Albufree^{DX} may be the consistent and effective solution you've been searching for.

As companies continue moving toward animal- and human-origin-free materials to minimize variability and risk, recombinant albumin provides additional advantages, including improved lot-to-lot consistency and reduced regulatory burden.

NEXT STEPS? REQUEST A FREE SAMPLE.

Reach out to your sales representative or contact us at info@phb1.com for details.

