

Bispecifics

Antibody production and characterization

IPA Ranked #1 CRO¹

Overcome lead selection challenges with unparalleled scientific rigor

IPA's efficient, high-quality bispecific antibody production and high-throughput characterization workflows greatly improve upon the traditionally laborious and costly process of selecting and developing bispecific leads.

Bring us your scaffold, we can do the rest.

High-quality production



Experienced team

>1,200 high purity productions of bi-/multi-specifics

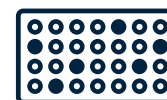
High-throughput, large panel characterization



Dual target

binding validation

Early integration of bispecific binding to cell-expressed targets narrows the focus to the highest value molecules



Functional screening

In-depth, early-stage, functional validation leads the way to clinical success





Experienced in production of high-quality (custom) bispecifics

Robust production and purification platform

Compatible with a variety of protein formats

Scale

Protein

Tandem affinity purification

Accelerated heterodimer-specific purification. Up to 50 batches of 200 ml per week

High-quality bispecifics

>97% purity, no aggregates, low/no endotoxin

Capillary electrophoresis of bispecific (bsAb)
NR:non-reduced;
R:reduced

High-throughput characterization to advance bispecific lead selection

Validation of dual target binding of hundreds of molecules in parallel

BLI-based screening with recombinant protein

Biosensor	Loading	Antibody	Protein
	Target B	bsAb_A-x-B	Target A
	Target B	bsAb_A-x-iso	Target A
	Target B	bsAb_A-x-B	No protein

Target-specific cellular bridging

Target A + Target B bsAb

Target A + Target B bsAb

Monospecific binding QC of bsAbs to cell-expressed targets

Functional screening of large panels of bispecifics in one run

Target-dependent activation of reporter cells

Target B reporter + CHO parental

Target B reporter + CHO-target A

- Target A + Target B bsAb
- Isoype + Target B bsAb
- ▲ Target A + Isotype bsAb



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