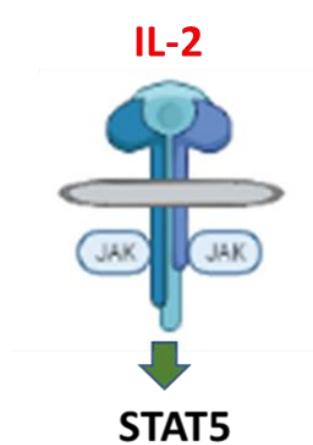


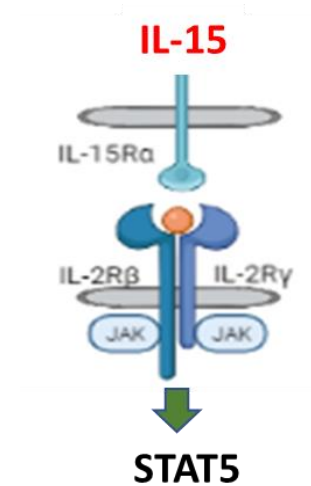
The background features several 3D-rendered geometric shapes. In the top left, there is a white Y-shaped structure. To its right, a vertical white bar is partially visible. In the bottom center, another white Y-shaped structure is shown. On the right side, a teal-colored Y-shaped structure is partially visible, overlapping a teal horizontal band. The overall aesthetic is clean and modern, with soft shadows and highlights on the 3D objects.

**COM503 - Differentiated approach to harness
cytokine biology for cancer therapeutics**

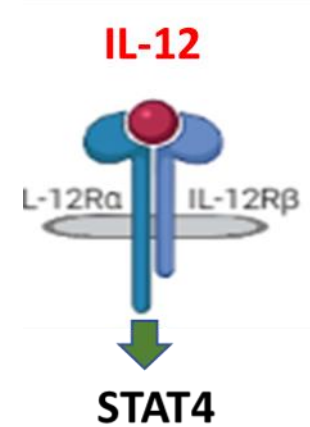
Cytokines powerful potential limited by therapeutic window



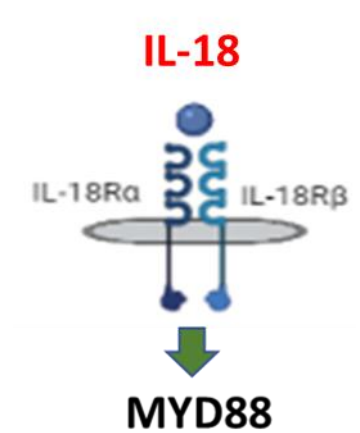
- Short half life
- Pleiotropy
- Vascular leak syndrome
- Cardiotoxicity



- Short half life



- Short half-life
- Systemic inflammation
- Myelotoxicity
- Hepatotoxicity

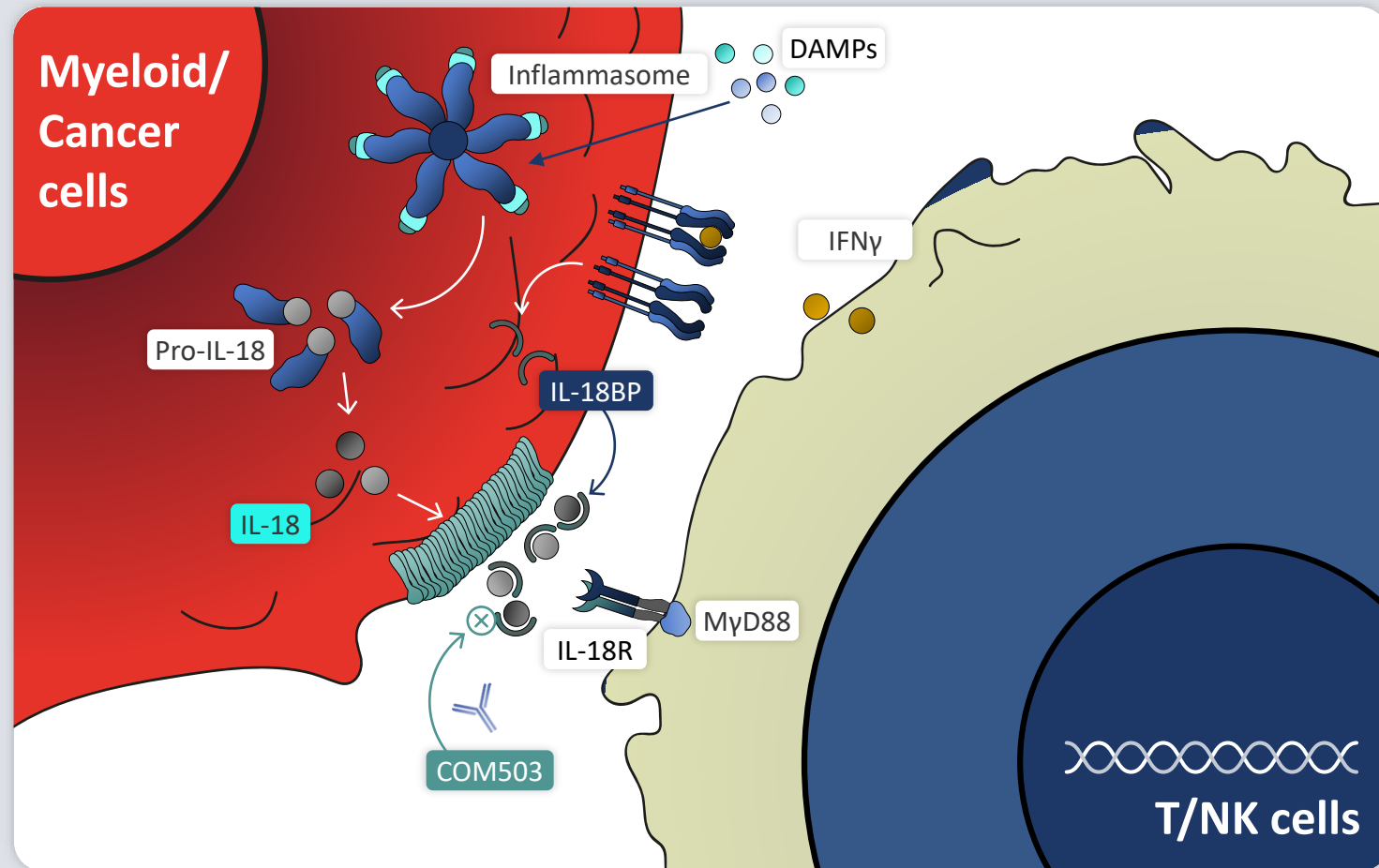


- Short half-life
- Bound to IL-18BP inhibiting activity in TME

Pleiotropy, toxicity, short half life severely limit the therapeutic use of cytokines

COM503: Compugen identified potential dominant immunosuppression mechanism and antibody therapeutic

Interleukin-18 binding protein, an endogenous inhibitor of interleukin-18



IL-18 immune stimulatory cytokine upregulated in tumor microenvironment

IL-18BP blocks IL-18 activity

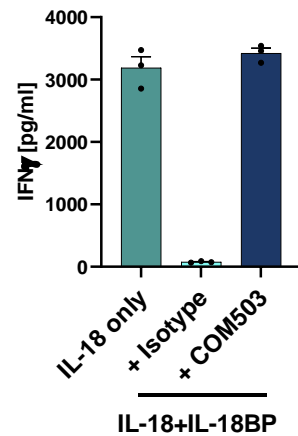
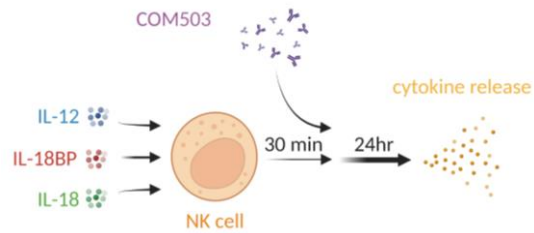
COM503 potential first-in-class high affinity antibody releases IL-18 to enhance T and NK cell activation

COM503: advantages of a differentiated approach

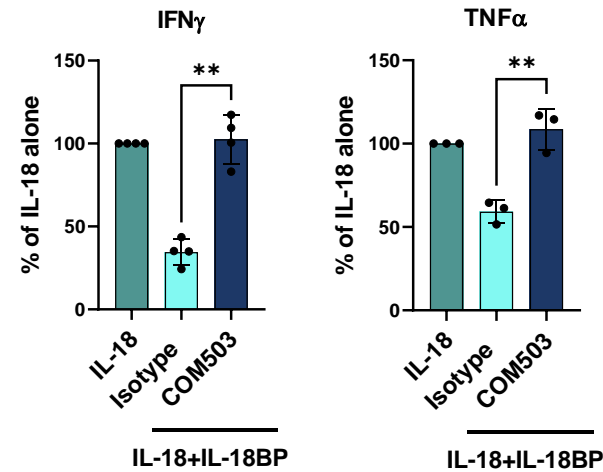
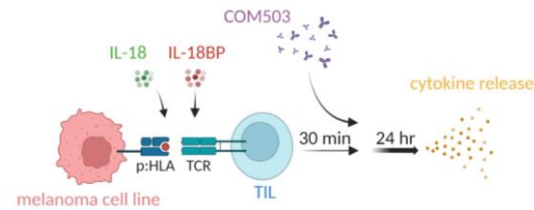
	COM503 anti-IL-18 binding protein	Recombinant cytokines
Novelty	Novel antibody approach	Multiple challenges, no FDA approval in last 30 years
	Anti-IL-18BP releases endogenous IL-18 in the TME	Systemic administration of a recombinant protein
Pharmacokinetics	<input checked="" type="checkbox"/> Slow elimination	<input type="checkbox"/> Requires modification/engineering to overcome pharmacokinetic limitations
Immunogenicity	<input checked="" type="checkbox"/> Potentially low risk, human IgG antibody	<input type="checkbox"/> Modified/engineered recombinant cytokine, increases risk
Therapeutic window	<input checked="" type="checkbox"/> Immune modulation selectively targets TME, potential for better tolerance	<input type="checkbox"/> Systemic immune modulation, potential for unmanageable side effects

COM503, fully human, high affinity anti-IL-18BP antibody restores human TIL and NK cell activity in human assays

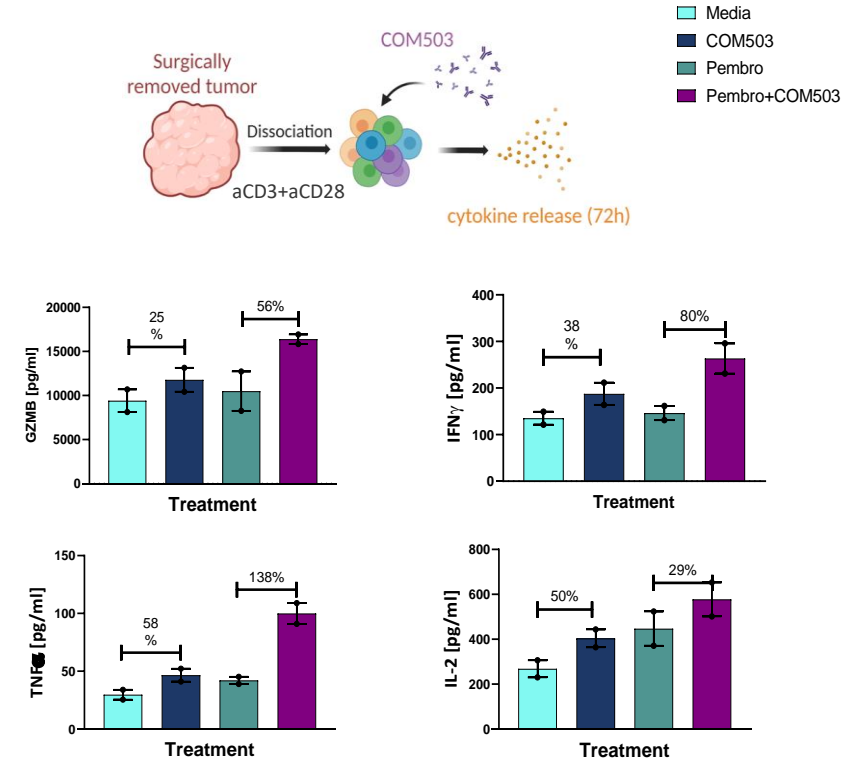
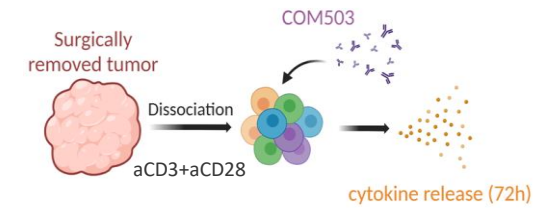
COM503 restored NK cell activity



COM503 restored TILs activity

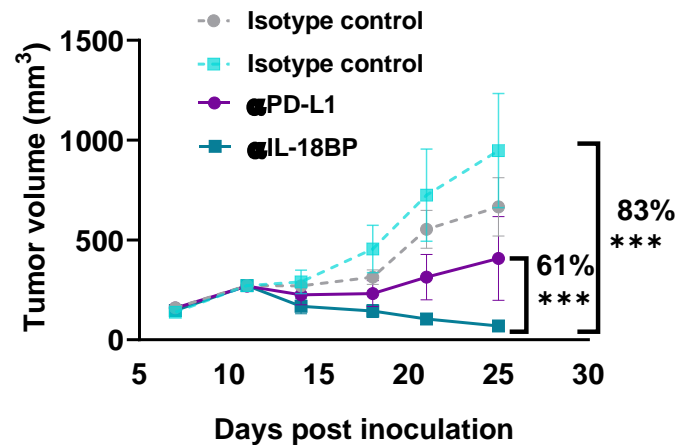


COM503 enhanced T cell activation in human dissociated tumor cells assay

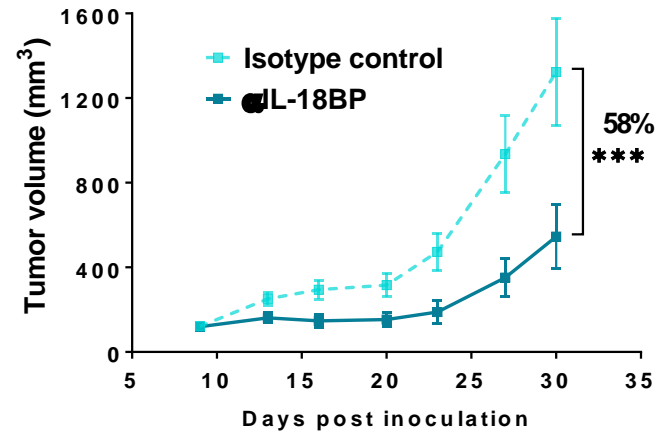


Anti-mouse IL-18BP antibody demonstrates monotherapy activity across murine syngeneic tumor models

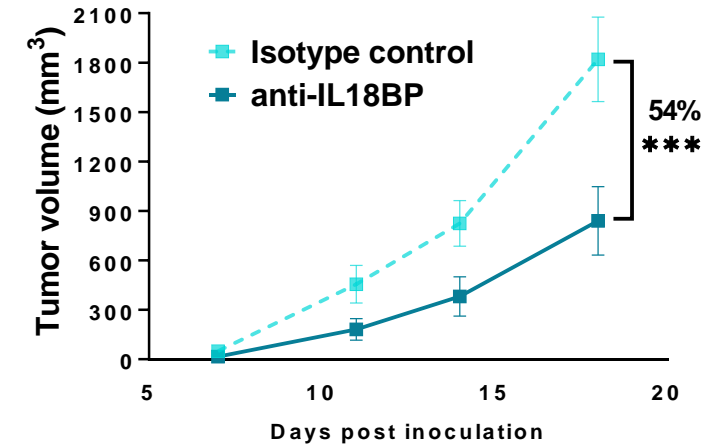
α IL-18BP Ab inhibits tumor growth in E0771 orthotopic mouse breast tumor model



α IL-18BP Ab inhibits tumor growth in MC38ova mouse CRC tumor model

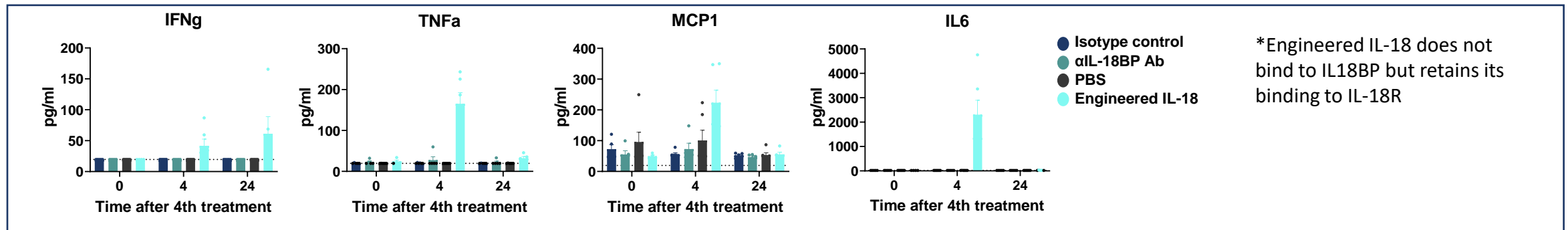


α IL-18BP Ab inhibits tumor growth in B16F10-hmgrp100 mouse melanoma model

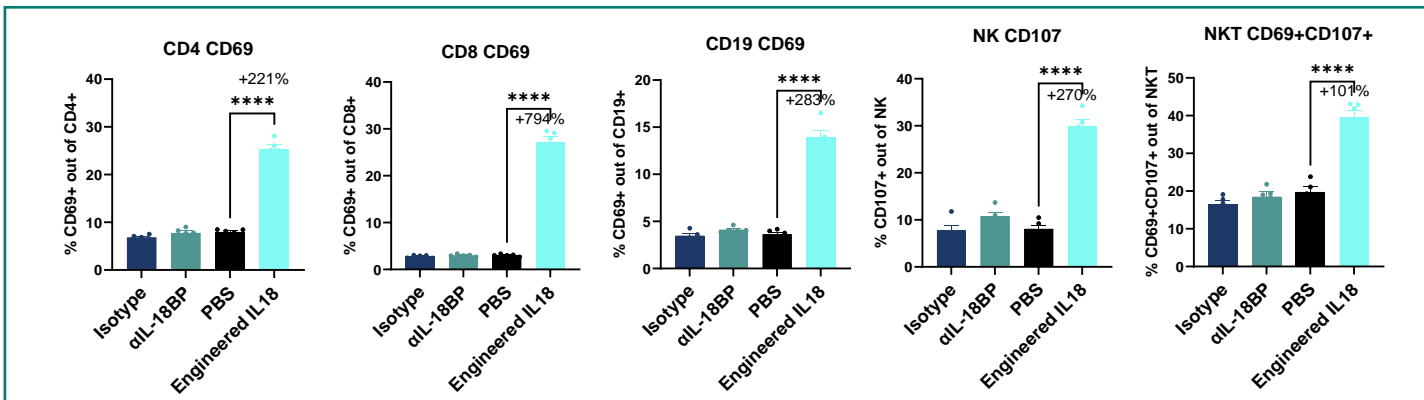


Anti-IL18BP Ab is expected to have a better therapeutic window than recombinant cytokines

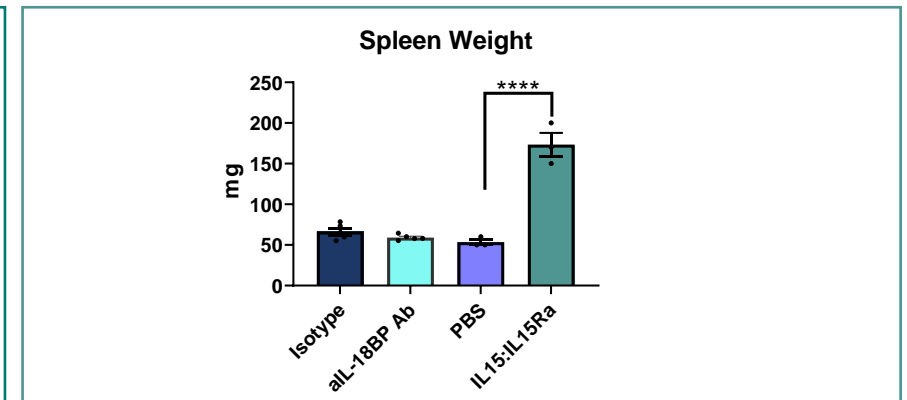
Administration of anti-mouse IL-18BP Ab to mice did not affect serum cytokines in contrast to engineered mouse IL-18*



Administration of anti-mouse IL-18BP Ab to mice did not affect lymphocytes activation in contrast to engineered mouse IL-18



Administration anti-mouse IL-18BP Ab to mice did not result in splenomegaly in contrast to rIL-15:IL15Ra



Pioneering predictive computational discovery platform



From target discovery to clinical validation

