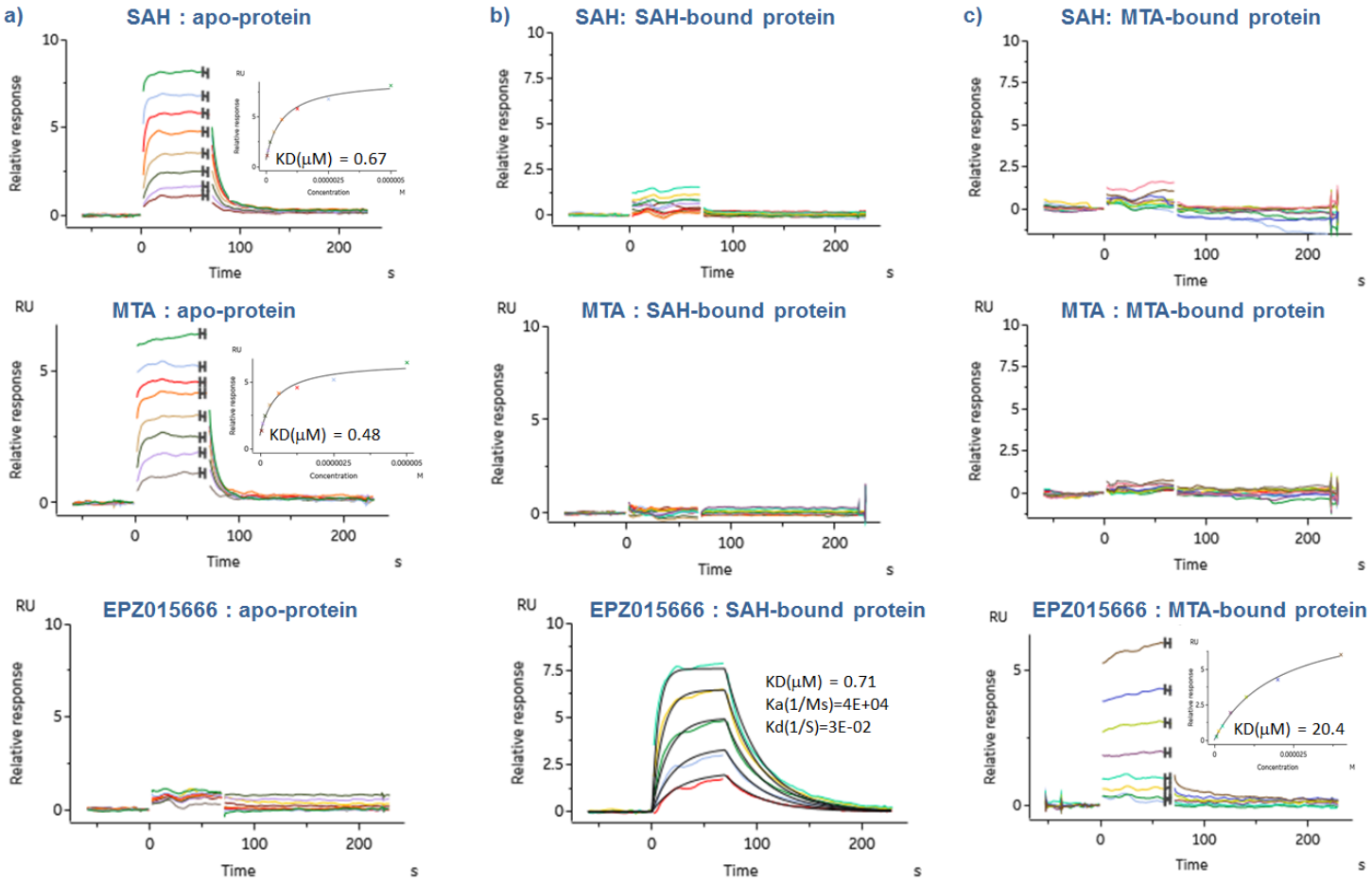
SPR study of PRMT5:MEP50

(Human Protein Arginine Methyltransferase-5 (PRMT5))

- **CAT#:** PRMT5:MEP50
- **Enzyme:** Human PRMT5
- **Scientific Information:** Human recombinant PRMT5 (GenBank Accession No. NM_006109) (amino-acids 2-637(end)), and Human recombinant MEP50 (GenBank Accession No. NM_024102) (amino-acids 2-342(end)).

Surface plasmon resonance (SPR) study of the binding of EPZ015666 to PRMT5:MEP50 protein complex. SAH, MTA and EPZ015666 were titrated individually towards a) apo protein complex; b) protein complex saturated with SAH; c) protein complex saturated with MTA. Binding of EPZ015666 towards PRMT5:MEP50 complex was triggered on when the protein complex were saturated with SAH or MTA. This confirms the previous findings of EPZ015666 as a SAM/SAH-cooperative inhibitor [1], and also presents a study platform by utilizing the SPR technique for searching novel PRMT5 inhibitors of cofactor-cooperative binding behaviors.



1) Chan-Penebre, et al. *Nat. Chem. Biol.* 11, 432−7 (2015).