

Species	Stressor	Substance interaction with lung residents cell membrane components	Systemic acute phase response	Reference
Mouse	Diesel exhaust particles	Yes, inhalation of 20 mg/m ³ for 90 min, in 4 consecutive days.	No effect.	(Saber et al., 2009; Saber et al., 2013)
Mouse	Carbon black	Yes, inhalation of 20 mg/m ³ for 90 min, in 4 consecutive days.	No effect.	(Saber et al., 2009; Saber et al., 2013)
Mouse	Reduced graphene oxide	Yes, intratracheal instillation of 18, 54 and 162 µg.	No, no change in serum amyloid A (SAA)3 plasma concentration 3 days after exposure.	(Bengtson et al., 2017)
Mouse	Crocidolite	Yes, intratracheal instillation of 6 and 18 µg.	No change in SAA1/2 nor SAA3 plasma levels.	(Poulsen et al., 2017)
Mouse	Particulate matter from commercial airport	Yes, intratracheal instillation of 6, 18 and 54 µg.	No change in plasma SAA3.	(Bendtsen et al., 2019)
Mouse	Carbon black	Yes, intratracheal instillation of 54 µg.	No change in plasma SAA3.	(Bendtsen et al., 2019)
Mouse	Uncoated zinc oxide nanoparticles	Yes, intratracheal instillation of 0.2, 0.7 and 2 µg.	No effect on plasma SAA3.	(Hadrup et al., 2019)
Mouse	Coated zinc oxide nanoparticles	Yes, intratracheal instillation of 0.2, 0.7 and 2 µg.	No effect on plasma SAA3.	(Hadrup et al., 2019)
Mouse	Zinc oxide	Yes, intratracheal instillation of 0.7 and 2 µg.	No change in plasma SAA3 or SAA1/2 levels.	(Gutierrez et al., 2023)
Mouse	Aluminum oxide	Yes, intratracheal instillation of 18 and 54 µg.	No change in plasma SAA3 or SAA1/2 levels.	(Gutierrez et al., 2023)
Human	Particulate matter and gas from fire extinguishing exercise	Yes, exposure during training exercises.	No change was observed on blood C-reactive protein (CRP) or SAA levels.	(Andersen, Saber, Clausen, et al., 2018)
Human	Gas and particulate matter from firefighting activities	Yes, exposure during firefighting.	No change was observed on blood CRP or SAA levels.	(Andersen, Saber, Pedersen, et al., 2018)
Human	Diesel exhaust	Yes, 6h per day for 3 days.	No change was observed on blood CRP or SAA levels.	(Andersen et al., 2019)

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