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### PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 35315

**Title:** EGFR immune magnetic liposomes capture colorectal circulating tumor cells with high-efficiency

**Reviewer's code:** 02531053

**Reviewer's country:** Japan

**Science editor:** Ya-Juan Ma

**Date sent for review:** 2017-09-08

**Date reviewed:** 2017-09-15

**Review time:** 6 Days

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

### COMMENTS TO AUTHORS

Excellent study. After a language revision, it can be published.



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## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 35315

**Title:** EGFR immune magnetic liposomes capture colorectal circulating tumor cells with high-efficiency

**Reviewer's code:** 03508384

**Reviewer's country:** United States

**Science editor:** Ya-Juan Ma

**Date sent for review:** 2017-09-08

**Date reviewed:** 2017-09-18

**Review time:** 9 Days

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
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		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

### COMMENTS TO AUTHORS

This is an interesting study about the capture capacity of newly self-constructed EILs on colorectal CTCs with that of EpCAM immunomagnetic beads. In this study, the EILs were constructed using a two-step synthesis method and the magnetic and surface characterizations were confirmed. The capture efficiency on colorectal CTCs as well as the specificity were compared between EILs and EpCAM magnetic ball. The combination increased as the contact time extended. Compared with EpCAM immunomagnetic beads, EILs captured more CTCs in blood of colorectal cancer patients. The captured cells showed consistency with clinical diagnosis and pathology. And the mutation analysis showed same results between captured CTCs and cancer tissues. Kuai et al concluded that the EGFR coated with magnetic liposomes showed high efficiency and specificity in the capture of colorectal CTCs. Overall, this study is well



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designed and the manuscript is well written. Minor revision 1 The main text should be edited and revised by an native English speaker. 2 Tabls and figure are interesting. 3 The authors discussed the results with recent references. The references should be checked.



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## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 35315

**Title:** EGFR immune magnetic liposomes capture colorectal circulating tumor cells with high-efficiency

**Reviewer's code:** 03478909

**Reviewer's country:** United States

**Science editor:** Ya-Juan Ma

**Date sent for review:** 2017-09-08

**Date reviewed:** 2017-09-18

**Review time:** 9 Days

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		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

### COMMENTS TO AUTHORS

Interesting study, can be accepted for publication. No comments.