

## ESPS PEER REVIEW REPORT

**Name of journal:** World Journal of Immunology

**ESPS manuscript NO:** 10008

**Title:** Recent advances of CD74 in cancer

**Reviewer code:** 02929417

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2014-03-10 09:52

**Date reviewed:** 2014-04-09 19:29

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Existing	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

## COMMENTS TO AUTHORS

**GENERAL COMMENTS** The article is a comprehensive overview of CD74 in various cancers and is well written manuscript. **SPECIFIC COMMENTS** The manuscript, according to me, can be accepted after certain revisions. My main concerns are 1. The grammatical errors in section 1.1, precisely in the 2nd half of the paragraph, after the description of four major isoforms of CD74. 2. The legends in figure 2 can be made more descriptive to aid in proper understanding in mechanism of antigen presentation. 3. In section 2. (The physiological role of CD74 in the immune system), controversial statements have been made in relation to role of CD74 in immunity (Certain point's favor the role of CD74 in immunity while others are against the same). A proper justification seems to be lacking. 4. The role of CD74 in cancer has been well explained in the current review. My suggestion would be to include the therapeutic part mentioned in 2nd paragraph of section 3.2 (Oncogenic signaling through cell surface CD74) in Section 4 (i.e. 4. CD74-targeted cancer therapy) 5. Section 4 which is based on CD74 targeted cancer therapy can be made more elaborative.

## ESPS PEER REVIEW REPORT

**Name of journal:** World Journal of Immunology

**ESPS manuscript NO:** 10008

**Title:** Recent advances of CD74 in cancer

**Reviewer code:** 00037961

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2014-03-10 09:52

**Date reviewed:** 2014-04-15 04:29

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Existing	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

## COMMENTS TO AUTHORS

This is a review on recent advances of CD 74 in cancer and is well presented. CD74 participates in several immune responses such as antigen presentation and inflammation. This evolutionarily conserved molecule plays a crucial role in some cancers. CD74 promotes cell proliferation and motility and prevents cell death in a macrophage migration inhibitory factor (MIF)-dependent manner. The role of CD 74 as an accessory cell surface receptor and their ability to interact with other signaling molecules make this cell cycle marker as an attractive therapeutic target for the treatment of cancer. Several structural and functional variants of CD74 with their own expression pattern is known. This review has taken into consideration some of these important advancements on the primary role of CD74 in the immune system and tumorigenesis. Comments: Please provide the abstract in a manner as it was presented in the body of the text perhaps separating the differences about its role between immune system and cancer development. The summary should reflect of the information presented and conclusions may be separated with prospective therapeutic targets in mind.